Energy, Mines and Resources Canada
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Electrical Energy Branch
Direction de l'énergie électrique

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Our file Notre référence

ELECTRICITY RATES IN CANADA HANDBOOK 1986

Enclosed please find the updated Electricity Rates in Canada Handbook as of September 1, 1986 and issued as of October 1, 1986. The previous version of this manual was dated October 15, 1986.

Quarterly updates will be sent out.

If there are any questions or comments concerning this publication, please do not hesitate to contact Pierre Durocher, Electrical Energy Branch, at (613)995-1118 ext. 236.

Ottawa, Ontario
K1A 0E4

Ottawa (Ontario)
K1A 0E4

Canada

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MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR SELECTED CANADIAN CITIES (1)

CITY	EFFECTIVE DATE	kWh Per Month 250	500	750	1000	5000	Run Out Cents/kWh/Over
Vancouver	April 1986 (2)	20.91	32.57	43.75	54.92	233.72	4.47/275
Calgary	April 1986	17.43	28.70	39.97	51.24	231.58	5.20/all
St.Albert	Feb 1986	19.42	33.03	46.64	60.25	278.00	6.70/all
Edmonton	April 1985	17.15	28.60	40.05	51.50	234.70	4.58/all
Grande Prairie	March 1986	12.77	21.15	27.65	35.27	136.35	5.33/500
Regina	March 1986	16.75	29.86	42.98	56.10	265.98	4.77/all
Saskatoon	March 1986	16.76	29.89	43.01	56.14	266.14	5.25/all
Winnipeg	April 1986	16.10	24.99	33.88	42.77	185.04	3.278/185
London	January 1986	17.38	28.63	39.88	51.13	231.13	4.50/250
Ottawa	January 1986	13.50	24.63	35.75	46.87	224.88	4.45/250
Sudbury	January 1986	20.55	32.50	44.45	56.40	247.60	4.61/250
Toronto	January 1986	16.36	28.53	40.70	52.88	247.63	5.41/250
Montreal	May 1986	18.20	27.25	36.30	45.99	216.46	3.91/900
St.John's	January 1985	24.25	39.50	54.76	70.01	314.05	6.101/all
Fredericton	April 1985	23.95	38.50	53.05	65.40	254.20	4.72/800
St. John N.B.	April 1985	20.02	34.04	47.38	58.05	228.69	4.74/700
Halifax	July 1983 (3)	22.41	37.02	51.54	65.72	292.54	6.27/700
Halifax	July 1983 (4)	24.73	40.88	56.93	72.61	323.41	6.27/700
Charlottetown	Sept 1985 (5)	24.40	43.71	63.01	82.32	391.22	8.295/all
Charlottetown	Sept 1985 (6)	23.31	41.64	59.97	78.31	371.65	7.877/all
Whitehorse	January 1984	21.05	37.80	53.55	69.30	321.30	6.30/500
Yellowknife	March 1986	21.95	41.85	61.75	81.66	400.12	7.72/75

(1) Includes sales tax, discounts, subsidies etc.
(2) Includes Transit Levy
(3) Subsidized rate
(4) Unsubsidized rate
(5) Not all electric rate
(6) All electric rate

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR SELECTED CANADIAN CITIES

CITY	EFFECTIVE DATE	(a) (b) 100 kW or 111 kVA(1) 25 000 kWh	1000 kW or 1111 kVA(1) 500 000 kWh	Run Out Cents/kWh/Over
Vancouver	April 1986	1426.15	19978.72	2.64/30000
Calgary	April 1986	1472.49	19027.93	2.38/102500 kWh & 200 kWh per kVA
St.Albert	February 1986	1687.97	18301.56	0.950/400 kWh per kW
Edmonton	April 1985	1563.60	24248.54	1.540/256200 & 200 kWh per kVA
Grande Prairie	March 1986	1322.11	20885.00	5.06/400 kWh per kW
Regina	March 1986	1861.66	26463.16	2.52/10000
Saskatoon	March 1986	1862.95	26501.20	2.78/10000
Winnipeg	April 1986	1157.57	15549.83	1.456/11840
London	January 1986	1217.75	20755.25	2.03/2185000
Ottawa	January 1986	1223.78	20853.78	2.03/2292500
Sudbury	January 1986	1291.47	23533.97	3.83/12500
Toronto	January 1986	1625.85	22041.00	2.57/200 kWh per kW
Montreal	May 1986	1569.93	21220.56	2.23/120 kWh per kW & 78000 kWh
St.John's	January 1986 (3)	1981.66	29890.22	4.198/40000
Fredericton	April 1985 (3)	2006.30	32358.30	5.02/5000
Fredericton	April 1985 (4)	1570.40	28407.90	5.65/1000 kWh per kW
St. John N.B.	April 1985	1912.50	31905.00	5.68/100 kWh per kW
Halifax	July 1983 (2&3)	2047.21	30996.66	4.73/100 kWh per kW
Halifax	July 1983 (2&4)	1968.98	29603.81	4.46/100 kWh per kW
Halifax	July 1983 (4)	2175.00	32730.00	4.73/100 kWh per kW
Charlottetown	Sept 1986 (4)(only)	2378.62	38457.66	6.30/200 kWh per kWh
Charlottetown	Sept 1986 (3)(only)	2296.40	39591.71	7.144/200 kWh per kWh
Whitehorse	August 1984	2205.00	39600.00	6.30/400 kWh per kWh
Yellowknife	March 1983	2477.29	48287.63	9.12/50 kWh per kWh

(a) Billing demand
(b) Consumption per month

(1) 90% Power Factor Assumed.
(2) Sudsidized rate
(3) Not all electric rate
(4) All electric rate

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR SELECTED CANADIAN CITIES

CITY	EFFECTIVE DATE (b)	150 kW or 167 kVA(1) 30 000 kWh (a)	1000 kW or 1111 kVA(1) 400 000 kWh	5000 kW or 5556 kVA(1) 3 100 000	100000 kW or 111111 kVA(1) 62 000 000 kWh	Run Out Cents/kWh/Over
Vancouver	April 1986	1811.88	17196.29	97559.83	1951158.81	2.640/30000,1.802/all (4)
Calgary	April 1986	1860.05	16964.47	98265.79	1951289.40	2.28/200/kVA & 102500 kWh
St.Albert	February 1986	2425.31	17529.69	83809.38	1530568.75	0.95/400/kVA
Edmonton	April 1985	1755.15	19980.49	100138.27	1876349.93	1.540/200 kWh/kVA & 256.2 MWh
Grande Prairie	March 1986	1744.68	13232.45	59821.71	1115216.23	5.06/400 kW or 1.71/400/kW
Regina	March 1986	2610.66	23552.56	150038.75	-	2.52/10000
Saskatoon	March 1986	2612.19	23582.20	150281.19	-	2.78/10000
Winnipeg	April 1986	1614.44	13136.31	80320.04	1549618.66	1.456/11840
London	January 1986	1565.25	17305.25	111462.25	2232600.94	2.03/2185.0 MWh or 2.03/a[illegible]
Ottawa	January 1986	1574.28	17393.78	113430.00	2268600.00	2.03/2292.5 MWh
Sudbury	January 1986	1707.97	19703.97	141113.97	2824483.93	3.83/12500
Toronto	January 1986	2265.30	19728.00	124083.00	2481660.03	2.57/200 kWh per kW
Montreal	May 1986	1919.70	17238.40	93930.00	1559400.00	2.23/120 kWh/kW & 78 MWh or 1.53/120 kWh/kW & 2400 MWh
St.John's	Jan 1985 (3)	2623.48	25188.46	175534.46	3500512.58	5.180/40000
Fredericton	April 1985	2253.00	20450.00	131530.00	2390170.05	3.55/100 kWh/kW for 5-749 kW 2.66/2700 MWh for > 749 kW
St. John N.B.	April 1985	2250.45	20061.00	133569.00	2671379.95	3.94 for 5-749 kW 3.36 for > 749 kW
Halifax	July 1983 (2)	2708.29	21134.00	110745.00	2686278.27	4.75/100 kWh/kVA or 3.97 or 2.96/all
Halifax	July 1983 (3)	2991.40	23353.70	148542.67	2970229.31	4.75/100 kWh 0-249 kW 3.97/all kWh/kVA 250-3999kVA 3.71/all kWh/kVA over 3999
Charlottetown	Sept 1986 (only)	2149.22	23873.57	170544.48	3410847.13	6.113/200 kWh/kVA
Whitehorse	January 1986	1920.00	25600.00	198400.00	3968000.09	7.4/100 kWh per kVA
Yellowknife			not applicable			

(a) Billing demand
(b) Consumption per month

(1) 90% Power Factor Assumed.
(2) Subsidized rate
(3) Not all electric rate
(4) Includes Water Rental Recovery Charge

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MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR SELECTED CANADIAN CITIES

CITY	EFFECTIVE DATE	(a) (b)	150 kW or 167 kVA(1) 30 000 kWh	1000 kW or 1111 kVA(1) 400 000 kWh	5000 kW or 5556 kVA(1) 3 100 000	100000 kW or 111111 kVA(1) 62 000 000 kWh	Run Out Cents/kWh/Over
Vancouver	April 1984		1643.18	15303.74	94028.89	1880541.22	2.329/30000.2.158/all
Calgary	December 1983		1829.88	16669.85	96076.29	1908607.17	2.30/200/kVA & 102500 kWh
St.Albert	November 1983		2218.92	15953.10	76292.80	1391573.00	0.890/400/kVA
Edmonton	April 1984		1619.60	18581.10	167312.00	1780560.28	1.550/200 kWh/kVA & 256.2 MWh
Grande Prairie	April 1984		2337.66	17168.81	79604.69	92765.810	5.62/400 kW or 1.90/400/kW
Regina	July 1983		2217.08	19472.34	124559.03	-	2.14/all
Saskatoon	July 1983		2123.02	18894.44	121388.24	-	2.42 & 2.36/all
Winnipeg	April 1984		1491.58	12144.25	74401.03	1428774.14	1.327/11700
London	January 1984		1414.63	15804.63	97783.38	1967799.94	1.69/2012.5 MWh or 1.69/all
Ottawa	January 1984		1435.35	15952.85	98380.80	1967800.00	1.69/2002.5 MWh
Sudbury	January 1984		1689.43	18134.92	128604.92	2572004.95	3.45/12500
Toronto	January 1984		2057.40	17568.00	109026.00	2180519.99	2.14/200 kWh per kW
Montreal	February 1984		1938.46	17394.00	99909.40	1680082.40	2.06/120 kWh/kW & 78 MWh or 1.42/120 kWh/kW & 2400 MWh
St.John's	August 1983 (3)		2350.26	21264.55	146804.22	2925827.83	3.460/40000
Fredericton	April 1984		2148.00	19480.00	118085.00	2280964.98	3.38/100 kWh/kW for 5-749 kW 2.54/2700 MWh for > 749 kW
St. John N.B.	April 1984		2385.00	15615.00	125355.00	2214899.98	3.75 for 5-749 kW 3.30 for > 749 kW
Halifax	July 1983 (2)		2708.29	21134.00	110745.00	2686278.27	4.75/100 kWh/kVA or 3.97 or 2.96/all
Halifax	July 1983 (3)		2991.40	23353.70	148542.67	2970229.31	4.75/100 kWh 0-249 kW 3.97/all kWh/kVA 250-3999kVA 3.71/all kWh/kVA over 3999
Charlottetown	April 1984 (only)		3980.05	46309.66	339420.83	6788358.81	10.09 or 10.03/200 kWh/kVA
Whitehorse	January 1984		1871.75	24677.75	190489.00	3809777.66	7.1/100 kWh per kVA
Yellowknife				not applicable			

(a) Billing demand
(b) Consumption per month

(1) 90% Power Factor Assumed.
(2) Subsidized rate
(3) Not all electric rate

CANADIAN ELECTRICITY RATE INCREASES - HISTORICAL DATA (%)

	1969 %	WTD. AVG.	1970 %	WTD. AVG.	1971 %	WTD. AVG.	1972 %	WTD. AVG.	1973 %	WTD. AVG.	1974 %	WTD. AVG.	1975 %	WTD. AVG.	1976 %	WTD. AVG.	1977 %	WTD. AVG.
Newfoundland	-	-	-	-	(1.3)	(0.03)	-	-	-	-	6.4	0.16	33.5	0.78	13.4	0.33	9.8	0.25
Prince Edward Island	-	-	-	-	15.0	0.02	(7.0)	(0.01)	8.0	N	10.0	0.01	20.0	0.03	(8.0)	(0.01)	17.0	0.02
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	4.6	0.10	-	-	43.0	0.89
New Brunswick	(2.2)	(0.05)	-	-	-	0.02	1.8	0.04	-	-	-	-	10.0	0.25	12.0	0.32	16.6	0.44
Quebec	-	-	7.5	2.59	-	-	-	-	8.4	2.90	-	-	9.8	3.31	10.3	3.42	9.9	3.36
Ontario	7.4	2.53	9.2	3.16	6.6	2.27	5.9	2.02	9.7	3.28	7.7	2.56	12.0	4.03	16.9	5.71	23.1	7.59
Manitoba	6.5	0.28	-	-	-	-	-	-	-	-	18.1	0.79	17.4	0.78	16.6	0.72	15.0	0.62
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	27.0	0.73	13.0	0.34	17.0	0.46
Alberta	-	-	2.5	0.12	-	-	-	-	12.5	0.68	6.7	0.36	21.3	1.22	20.8	1.18	15.3	0.90
British Columbia	0.6	0.08	9.0	1.15	0.4	0.05	-	-	1.3	0.18	15.0	1.91	6.2	0.76	14.2	1.82	12.1	1.56
Canada Weighted Average *		2.84		7.02		2.33		2.05		6.94		5.79		11.99		13.82		16.08

* Weighting based on the amount of energy sold in province by year

N Negligible

Coluan totals may not correspond to sum of elements due to rounding

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CANADIAN ELECTRICITY RATE INCREASES - HISTORICAL DATA (%)

	1978 %	WTD. AVG.	1979 %	WTD. AVG.	1980 %	WTD. AVG.	1981 %	WTD. AVG.	1982 %	WTD. AVG.	1983 %	WTD. AVG.	1984 %	WTD. AVG.
Newfoundland	21.2	0.53	12.4	0.32	7.5	0.19	14.6	0.37	-	-	12.0	2.1		
Prince Edward Island	3.0	0.02	-	-	13.1	0.02	21.4	0.03	-	-	-	-		
Nova Scotia	14.0	0.28	12.5	0.25	-	-	-	-	-	-	36.6	6.9		
New Brunswick	9.9	0.56	7.9	0.20	7.8	0.20	9.8	0.25	-	-	-	-		
Quebec	18.7	6.50	13.7	4.58	13.3	4.63	10.6	3.69	16.3	5.59	7.3	2.48		
Ontario	3.3	1.06	8.3	2.68	12.9	4.04	9.3	2.89	9.6	2.98	8.2	2.55		
Manitoba	14.9	0.63	14.4	0.64	-	-	-	-	-	-	9.5	3.9		
Saskatchewan	3.3	0.09	8.3	0.25	7.9	0.23	12.6	0.36	-	-	12.6	3.7		
Alberta	12.3	0.74	5.0	0.33	10.8	0.74	15.2	1.12	9.17	0.70	13.0	1.0		
British Columbia	13.4	1.70	5.5	0.70	7.6	0.96	2.6	0.32	21.5	2.72	6.0	0.75		
Yukon					2.9	N	7.0	0.01	-	-	-	-		
Northwest Territories					5.3	0.01	98.3	0.14	-22.2	-0.03	6.0	0.72		
Canada Weighted Average *		11.80		9.95		11.01		9.18		11.96		23.9		

* Weighting based on the amount of energy sold in province by year

N Negligible

Colum totals may not correspond to sum of elements due to rounding

PERCENTAGE OF TOTAL ELECTRICITY SUPPLY, BY PROVINCE

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Newfoundland	2.36	2.25	2.11	2.35	2.46	2.33	2.49	2.56	2.49	2.55	2.48	2.55	2.47	2.43
Prince Edward Island	0.12	0.13	0.13	0.14	0.14	0.16	0.16	0.15	0.15	0.16	0.15	0.15	0.15	0.15
Nova Scotia	1.83	1.94	2.02	2.02	2.09	2.14	2.12	2.04	2.01	2.02	2.01	1.95	1.94	1.88
New Brunswick	2.09	2.17	2.37	2.33	2.41	2.54	2.65	2.67	2.61	2.53	2.60	2.56	2.47	2.56
Quebec	34.46	33.29	32.95	32.97	34.23	33.82	33.16	33.95	34.74	33.41	34.81	34.84	34.28	33.98
Ontario	34.34	34.33	34.15	33.81	33.22	33.54	33.76	32.85	32.11	32.32	31.32	31.09	31.00	31.20
Manitoba	4.33	4.38	4.41	4.43	4.35	4.47	4.33	4.13	4.21	4.41	4.11	3.89	4.18	4.10
Saskatchewan	2.59	2.62	2.65	2.76	2.73	2.70	2.60	2.70	2.76	2.97	2.89	2.87	2.94	2.99
Alberta	4.88	4.15	5.34	5.47	5.38	5.75	5.66	5.84	6.02	6.61	6.81	7.36	7.67	8.09
British Columbia	12.73	13.50	13.63	13.47	12.72	12.29	12.82	12.96	12.66	12.78	12.58	12.49	12.67	12.44
Yukon	0.11	0.11	0.10	0.11	0.12	0.13	0.11	0.12	0.12	0.11	0.11	0.11	0.10	0.07
Northwest Territories	0.15	0.14	0.15	0.15	0.15	0.16	0.13	0.12	0.12	0.12	0.13	0.14	0.13	0.12

Used for weighted averages
Source: Electricity Supply and Demand. EMR, table 31.

Residential Urban & Rural Electricity Costs

Utility	Effective	1 000 kWh/Month ($) Urban	Rural	Difference (%)
B.C. Hydro	April 1984	51.71	51.71	-
TransAlta Utilities	November 1983	54.80	56.99	4.0
Alberta Power	April 1984	51.97	a) 51.76 b) 57.06	-0.4 9.8
Saskatchewan Power	July 1983	47.82	46.67	-2.4
Manitoba Hydro	April 1984	39.54	49.40	24.9
Ontario Hydro	January 1984	48.03	55.60	15.8

Residential Urban & Rural Electricity Costs

Utility	Effective	1 000 kWh/Month ($) Urban	Rural	Difference (%)
Hydro Quebec	February 1984	42.40	42.40	-
	Same rate schedule applies given certain conditions			
Newfoundland Light and Power	August 1983	61.30	61.30	-
	Rates do differ however for hydro and diesel services			
New Brunswick Electric Power Commission	April 1984	60.88	62.04	1.9
Nova Scotia Power Corporation	July 1983	65.72	65.72	-
	Same rate schedule applies			
Maritime Electric Company	April 1984 (only)	124.10	127.48	2.7
	all electric	118.87	122.08	2.7

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Taxes on Electricity Bills in British Columbia

Effective: April 13, 1986

RESIDENTIAL

- Transit Levy-Vancouver $1.60 per account
  From April 1, 1985

COMMERCIAL
-Provincial Social Service 7% on net electricity bill
From July 8, 1983

INDUSTRIAL
-Provincial Social Service 7% on net electricity bill
From July 8, 1983

HISTORICAL

Provincial Social Service Tax Changes:

1 April 1954 - 5%
27 March 1976 - 7%
11 April 1978 - 5%
3 April 1979 - 4%
12 March 1980 - Nil for residential use, 4% for other use
10 March 1981 - Nil for residential use, 6% for other use

Transit Levy - Vancouver :

1 April 1980 Residential $0.61 per account
Commercial $4.21 per account
Industrial $4.21 per account

1 April 1981 Residential $1.16 per account
Commercial 5% of bill before sales tax to $2000.00 maximum
Industrial 5% of bill before sales tax to $2000.00 maximum

1 January 1982 Residential $1.16 per account
Commercial one-half of 1% of bill before sales tax
Industrial one-half of 1% of bill before sales tax

1 April, 1982 Residential $1.45 per account
1 April, 1983 Residential $0.30 per account
1 April, 1984 Residential $1.25 per account
1 April, 1985 Residential $1.60 per account

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR VANCOUVER.

effective: April 1, 1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Basic Charge $ 3.26	3.26	3.26	3.26	3.26	3.26
First 275 kWh AT 6.4200c Per kWh	16.05	17.66	17.66	17.66	17.66
Rest at 4.4700c Per kWh	0.00	10.06	21.23	32.41	211.21
Subtotal	19.31	30.97	42.15	53.32	232.12
Plus transit levy	1.60	1.60	1.60	1.60	1.60
TOTAL	20.91	32.57	43.75	54.92	233.72

Source: B.C. Hydro and Power Authority, Schedule 1101

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR VANCOUVER-HISTORICAL DATA

	kWh Per Month ($)					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
Effective:						
April 1, 1986 *	20.91	32.57	43.75	54.92	233.72	4.47000/275
June 13, 1985 (1)	20.91	32.58	42.75	54.93	233.70	4.47000/275
April 15, 1984	19.87	31.11	41.89	52.66	225.06	4.310/275
January 1,1984	17.79	28.34	38.45	48.56	210.31	4.0436/275
April 1.1983	17.64	28.04	38.00	47.96	207.31	3.98370/275
April 1,1982	17.81	27.63	37.03	46.42	196.75	3.758235/275
January 1,1982	15.92	24.80	33.31	41.82	177.94	3.403/275
February 1,1981	14.58	22.68	30.40	38.13	161.69	3.089/275
April 1,1980	14.36	22.24	29.74	37.24	157.24	3.0/275
September 1,1979	14.04	21.41	28.30	35.19	145.43	2.65/275
March 1,1978	14.18	21.40	28.09	34.78	141.78	2.5/275
March 1,1977	13.91	19.96	25.31	30.66	116.26	2.0/275
March 1,1976	12.08	17.30	21.76	26.22	97.62	1.7/275
September 30,1975	10.58	15.76	19.59	23.43	84.75	1.46/300
August 1,1974	9.45	14.07	17.48	20.90	75.50	1.3/300

* Current Rates
(1) Interim Rates

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR VANCOUVER

Effective: April 1, 1986

Billing Demand (1):	Sch 1200 100 kW or 111 kVA	Sch 1211 1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Basic Charge $ 3.91	3.91	3.91
Demand Charge		
First 35 kW of billing demand at nil cost	-	-
Next 115 kW at $3.1300 per kW	203.45	359.95
Rest at $6.0100 per kW	0.00	5108.50
Energy Charge		
First 275 kWh at 7.4700c per kWh	20.54	20.54
Next 6725 kWh at 5.5100c per kWh	370.55	370.55
Next 23000 kWh at 4.0800c per kWh	734.40	938.40
Rest at 2.6400c per kWh	0.00	12408.00
Sub-Total	1332.85	19209.85
Less 1.50% Primary Metering Discount	N/A	288.15
Less discount own transformer 25c per kW	N/A	250.00
Sub-Total	1332.85	18671.70
Plus 7% Provincial Tax	93.30	1307.02
TOTAL	1426.15	19978.72

(1) 90% Power factor assumed
Source: B.C. Hydro General Service, Schedules 1200,1211

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR VANCOUVER-HISTORICAL DATA

Billing Demand: / Consumption/Month:		100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:				
April 1, 1986	*	1426.15	19978.72	2.64000/30000
June 13,1985 (1)		1426.15	19978.72	2.64000/30000
April 15,1984		1374.27	19221.48	2.540/30000
January 1,1984		1290.47	18051.56	2.3889/30000
April 1,1983		1262.53	17570.15	2.329/30000
April 1,1982		1191.10	16561.01	2.197235/30000
January 1,1982		1081.91	15065.38	2.003/30000
February 1,1981		979.08	13107.64	1.689/30000
April 1,1980		955.94	12651.79	1.6/30000
September 1,1979		916.18	11582.00	1.15/400000
March 1978		904.25	11484.14	1.05/400000

* Current Rates
(1) Interim Rates

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR VANCOUVER
Effective: April 1, 1986

Billing Demand (1):	Sch 1200 150 kW or 167 kVA	Sch 1211 1 000 kW or 1111 kVA	Sch 1821 5000 kW or 5556 kVA*	100000kW or 111111 kVA*
Consumption/Month:	30 000 kWh	400 000 kWh	3100000 kWh	62000000 fWh
		($)		
Basic Charge $ 3.91	3.91	3.91	N/A	N/A
Demand Charge				
First 35 kW of billing demand at nil cost	0.00	0.00	N/A	I/A
Next 115 kW at $ 3.1300 per kW	359.95	359.95	N/A	N/A
Rest at $ 6.0100 per kW	0.00	5108.50	N/A	N/A
For 5000 kW and over:$ 3.9180 per kVA of billing demand	N/A	N/A	21768.41	435332.91
Energy Charge				
First 275 kWh at 7.470c per kWh	20.54	20.54	N/A	N/A
Next 6725 kWh at 5.510c per kWh	370.55	370.55	N/A	N/A
Next 23000 kWh at 4.080c per kWh	938.40	938.40	N/A	N/A
Rest at 2.640c per kWh	0.00	9768.00	N/A	N/A
For 5000 kW and over: 1.8020c per kWh	N/A	N/A	55862.00	1117240.00
Sub-Total	1693.35	16569.85	77630.41	1552572.91
Plus Water Rental Recovery: 0.43700c per kWh	N/A	N/A	13547.00	270940.00
Sub-Total	1693.35	16569.85	91177.41	1823512.91
Less 1.50% Primary Metering Discount	N/A	248.55	N/A	N/A
Less discount own transformer 25c per kWh	N/A	250.00	N/A	N/A
Sub-Total	1693.35	16071.30	91177.41	1823512.91
Plus 7% Provincial Tax	118.53	1124.99	6382.42	127645.90
TOTAL	1811.88	17196.29	97559.83	1951158.81

(1) 90% Power factor assumed Source: B.C. Hydro,Schedules 1200,1211,1821

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR VANCOUVER-HISTORICAL DATA

Billing Demand (1):	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA*	100000kW or 111111 kVA	Run Out Cent
Consumption/Month:	30 000 kWh	400 000 kWh	3100000 kWh	62000000 kWh	kWh/Over
	($)	($)	($)	($)	($)
Effective:					
April 1, 1986 *	1811.88	17196.29	97559.83	1951158.81	2.64000/30000 , 0.00000/all (2)
June 13,1985 (3)	1811.88	17196.29	97559.83	1951158.81	2.6400/30000, 2.239 (2)
April 15,1984	1746.10	16544.44	94028.88	1880541.22	2.5400/30000, 2.1580/all (2)
January 1,1984	1639.58	15533.79	88291.27	1765791.33	2.3889/30000, 2.0263/all (2)
April 1.1983	1605.21	15138.45	85760.69	1715179.93	2.329/30000, 1.9744/all (2)
April 1.1982	1514.39	14266.87	80907.25	1618113.00	2.197235/30000 & 1.86267/all
January 1.1982	1374.95	12964.18	64030.57	1280567.29	2.003/30000 & 1.115/all
February 1.1981	1248.91	11377.42	N/A	N/A	1.689/30000
April 1.1980	1221.15	11012.73	52376.11	1047399.23	1.6/30000 & 0.8/all
September 1.1979	1171.50	10403.94	N/A	N/A	1.15/400000
April 1.1979	N/A	N/A	43448.58	868932.86	0.6/all
March 1.1978	1155.69	10377.49	N/A	N/A	1.05/400000

* Current Rates
(1) 90% Power Factor Assumed
(2) Includes the Water Rental Recovery Charge
(3) Interim Rates.

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Taxes on Electricity Bills in Alberta

Effective: April 1,1986

	Provincial	City	Other
Residential			
Calgary	-	-	-
Edmonton	-	-	-
Grand-Prairie	-	4.71%	-
St-Albert	-	-	-
Commercial			
Calgary	-	-	-
Edmonton	-	-	-
Grand-Prairie	-	4.71%	-
St-Albert	-	-	-
Industrial			
Calgary	-	-	-
Edmonton	-	-	-
Grand-Prairie	-	4.71%	-
St-Albert	-	-	-

Rates and Discounts on Electricity Bills in Alberta

Effective: April 1,1986

	Provincial	City	EEMA
Residential			
Calgary	13.3%	-	-
Edmonton	-	-	-
Grand-Prairie	15.4%	10.37%	25.5%
St-Albert	18.75%	-	-
Commercial			
Calgary	13.3%	-	-
Edmonton	-	-	-
Grand-Prairie	15.4%	10.37%	25.5%
St-Albert	18.75%	-	-
Industrial			
Calgary	13.3%	-	-
Edmonton	-	-	-
Grand-Prairie	15.4%	10.37%	25.5%
St-Albert	18.75%	-	-

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR CALGARY.

effective: April 1,1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge $ 7.10	7.10	7.10	7.10	7.10	7.10
All kWh at 5.2000c per kWh	13.00	26.00	39.00	52.00	260.00
Base total	20.10	33.10	46.10	59.10	267.10
Less 13.30% of Base Provincial Tax Rebate	2.67	4.40	6.13	7.86	35.52
TOTAL	17.43	28.70	39.97	51.24	231.58

Source: City of Calgary Residential Rate

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR CALGARY-HISTORICAL DATA

	kWh Per Month ($)					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
Effective:						
April 1,1986	* 17.43	28.70	39.97	51.24	231.58	5.20000/All
July 1,1985	17.43	28.70	39.96	51.23	231.47	4.99/all
December 1,1983	17.31	28.36	39.42	50.48	227.41	4.850/all
September 1,1983	15.96	26.16	36.36	46.55	209.70	4.2798/all
January 1,1983	15.46	25.26	35.07	44.88	201.79	4.2/all
October 1,1982	14.45	23.64	32.83	42.02	189.09	3.85/all
October 1,1981	13.23	21.58	29.94	38.30	172.00	3.50/all
May 1,1981	11.23	18.25	25.27	32.29	144.61	3.00/all
June 1,1980	10.02	16.66	23.29	29.92	136.07	2.82/all
April 1,1979	8.73	14.54	20.35	26.17	119.16	2.63/all
July 1,1978	8.55	14.32	20.10	25.87	118.27	2.50/all
January 1,1977	7.64	12.71	17.79	22.85	103.96	2.13/all
January 1,1976	6.68	11.08	N/A	19.88	90.28	1.76/all
July 1975	N/A	9.22	N/A	16.48	74.62	N/A
July 1974	N/A	8.16	N/A	14.59	66.02	N/A

* Current Rates, City of Calgary
N/A-Not available

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR EDMONTON

effective: April 1,1985

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge $ 5.70	5.70	5.70	5.70	5.70	5.70
All kWh at 4.58c per kWh	11.45	22.90	34.35	45.80	229.00
TOTAL	17.15	28.60	40.05	51.50	234.70

Source: Edmonton Power City Rate Schedule 1.11

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR EDMONTON-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
April 1,1985 *	17.15	28.60	40.05	51.50	234.70	4.58000/All
April 1,1984	16.05	26.80	37.55	48.30	220.30	4.30/all
April 1,1983	15.25	25.50	35.75	46.00	210.00	4.10/all
August 1,1982	14.18	23.65	33.13	42.60	194.20	3.790/all
April 1,1981	12.53	20.90	29.28	37.65	171.65	3.350/all
December 1,1980	11.18	18.65	26.13	33.60	153.20	2.99/all
October 1,1980	10.15	16.95	23.75	30.55	139.35	2.72/all
April 1,1980	9.53	15.70	21.88	28.05	126.85	2.47/all
April 15,1978	8.75	14.50	20.25	26.00	118.00	2.30/all
July 15,1977	7.87	13.00	18.13	23.25	105.25	2.05/all
April 15,1976	7.20	11.65	16.10	20.50	91.75	1.78/all

* Current Rates

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CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR GRANDE PRAIRIE

effective: March 1,1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge $ 6.52	6.52	6.52	6.52	6.52	6.52
First 200 kWh at 7.220c Per kWh	14.44	14.44	14.44	14.44	14.44
Next 300 kWh at 6.330c Per kWh	3.16	18.99	18.99	18.99	18.99
Rest at 5.330c Per kWh	0.00	0.00	13.33	26.65	239.85
Sub Total	24.13	39.95	53.28	66.60	279.80
Less Interim Reduction of 10.37%	-2.50	-4.14	-5.52	-6.91	-29.02
Base Total	21.62	35.81	47.75	59.69	250.78
Less Provincial Rebate: 15.40% of Base	3.72	6.15	8.20	10.26	43.09
Less Electric Energy Marketing Agency Rebate: 25.50 of Base	6.15	10.19	13.59	16.98	71.35
Add Local Franchise Tax: 4.71% of Base	1.02	1.69	2.25	2.81	0.00
TOTAL	12.77	21.15	27.65	35.27	136.35

Source: Alberta Power Rate Schedule 11; Residential Service

NOTE: AEEMA rebate effective March 1,1985
Provincial rebate effective March 1,1985

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR GRANDE PRAIRIE-HISTORICAL DATA

		kWh Per Month					
		250	500	750	1000	5000	Run Out Cents/kWh/Over
		($)					
Effective:							
March 1,1986	*	12.77	21.15	27.65	35.27	136.35	5.33000/500
July 1,1985		18.37	30.41	40.54	50.67	212.76	5.92/500
April 1,1984		18.83	31.19	41.58	51.97	218.20	5.92/500
February 1,1983		18.70	30.97	41.28	51.60	216.65	5.92/500
January 1,1983		18.29	30.28	40.37	50.46	211.86	5.92/500
August 1,1982		18.96	31.39	41.84	52.29	219.57	6.1356656/500
February 1,1982		25.05	41.48	55.30	69.12	290.19	5.92/500
October 1,1981		21.56	35.69	47.60	59.49	249.92	4.84/500

* Current Rates

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR ST.ALBERT

effective: February 1.1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge $ 7.15	7.15	7.15	7.15	7.15	7.15
All kWh at 6.70c per kWh	16.75	33.50	50.25	67.00	335.00
Sub-total	23.90	40.65	57.40	74.15	342.15
Less 18.75% Prov. Income Tax Rebate	4.48	7.62	10.76	13.90	64.15
TOTAL	19.42	33.03	46.64	60.25	278.00

Source: TransAlta Utilities Rate Schedule 190

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR ST.ALBERT-HISTORICAL DATA

		kWh Per Month					
		250	500	750	1000	5000	Run Out Cents/kWh/Over
				($)			
Effective:							
February 1,1986	*	19.42	33.03	46.64	60.25	278.00	6.70000/All
February 1,1985		17.70	30.17	42.64	55.11	254.64	6.01/all
November 1.1984		17.61	30.01	42.40	54.80	253.16	6.0475/all
February 1,1983		17.66	30.13	42.59	55.06	254.54	5.635/all
September 1,1982		15.79	26.94	38.08	49.23	227.59	4.9/all
October 1,1981		15.47	26.39	37.31	48.23	222.95	4.8/all

* Current Rates

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR CALGARY

Effective: April 1,1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
First 2500 kWh at 9.58c per kWh	239.50	239.50
Next 100 kWh per kVA at 8.47c per kWh	940.17	9410.17
Next 100 kWh per kVA at 4.55c per kWh	505.05	5055.05
Next 100000 kWh at 3.07c per kWh	13.65	3070.00
Rest at 2.380c per kWh	0.00	4172.14
Base Total	1698.37	21946.86
Less 13.3% of base Provincial rebate (as of April 1,1986)	225.88	2918.93
TOTAL	1472.49	19027.93

(1) 90% Power factor assumed

Source: City of Calgary, General Service Demand - Energy Rate

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR CALGARY-HISTORICAL DATA

Billing Demand: (1) / Consumption/Month:		100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:				
April 1,1986	*	1472.49	19027.93	2.380/102500 and 200 kWh per kVA
July 1,1985		1472.41	19021.10	2.28/102500 and 200 kWh per kVA
December 1,1983		1472.88	19046.21	2.30/102500 and 200 kWh per kVA
September 1,1983		1395.19	17575.35	2.038/103500 and 200 kWh per kVA
January 1,1983		1367.38	17163.09	2.00/103500 and 200 kWh per kVA
October 1,1982		1276.36	15994.05	1.80/103500 and 200 kWh per kVA
October 1,1981		1217.10	14748.88	1.65/105000 and 200 kWh per kVA
May 1,1981		1013.00	12476.97	1.40/105000 and 200 kWh per kVA
June 1,1980		935.79	11371.40	1.28/105000 and 200 kWh per kVA
April 1,1979		813.95	9934.67	1.24/105000 and 200 kWh per kVA
July 1,1978		805.62	9729.65	1.12/105000 and 200 kWh per kVA

* Current Rates
(1) 90% Power Factor Assumed
City of Calgary rates

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR EDMONTON

Effective: April 1.1985

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Energy Charge:		
For 50 kVA and over:		
First 6200 kWh at $445.00 per month	445.00	445.00
Next 200 kWh per kVA at 5.95c per kWh	1118.60	13220.90
Next 250000 kWh per kWh at 4.10c per kWh	0.00	10250.00
Rest at 1.54c per kWh	0.00	332.64
TOTAL	1563.60	24248.54

(1) 90% Power factor assumed

Source: Edmonton Power .Rate Schedule 3.12

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR EDMONTON-HISTORICAL DATA

Billing Demand: (1) / Consumption/Month:		100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:				
April 1,1985	*	1563.60	24248.54	1.540/256200 and 200 kWh per kVA
April 1,1984		1458.40	22706.90	1.55/256200 and 200 kWh per kVA
April 1,1983		1367.60	21704.20	1.55/256200 and 200 kWh per kVA
August 1,1982		1224.80	20448.40	1.70/256200 and 200 kWh per kVA
April 1,1981		1079.10	17453.30	2.00/306200 and 150 kWh per kVA
December 1,1980		970.40	15845.33	1.75/306200 and 150 kWh per kVA
October 1,1980		888.50	14005.58	1.55/306200 and 150 kWh per kVA
April 1,1980		821.40	12983.03	1.22/296200 and 150 kWh per kVA
April 15,1978		729.80	11555.80	1.10/456200 and 200 kWh per kVA

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR GRANDE PRAIRIE

Effective: March 1.1986

Billing Demand (1): Consumption/Month:	100 kW or 111 KVA 25 000 kWh	1 000 kW or 1111 KVA 500 000 kWh
	($)	($)
Demand Charge:		
All kW at $ 3.17 per kW	317.00	3170.00
Energy Charge:		
First 200 kWh per kW at 8.40c per kWh	1680.00	16800.00
Next 200 kWh per kW at 5.56c per kWh	278.00	11120.00
Rest at 5.06c per kWh	0.00	5060.00
Total Energy	1958.00	32980.00
Less Interim Reduction of 10.37%	-203.04	-3420.03
Base Total	2071.96	32729.98
Add Local Franchise Tax: 4.71% of Base	97.59	1541.58
Sub-total	2169.54	34271.55
Less Provincial Rebate: 15.40% of Base (effect. March 86)	319.08	5040.42
Less Electric Energy Marketing Agency Rebate: 25.50% of Base (effect. March 86)	528.35	8346.14
TOTAL	1322.11	20885.00

(1) 90% Power factor assumed

Source: Alberta Power Rate Schedule 21. General Service

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR GRANDE PRAIRIE-HISTORICAL DATA

Billing Demand:(1) Consumption/Month:		100 kW or 111 KVA 25 000 kWh	1 000 kW or 1111 KVA 500 000 kWh	Run Out Cent/kWh/Over
		($)	($)	
Effective:				
March 1,1986	*	1322.11	20885.00	5.060/400 kWh/kW
July 1,1985		1771.32	28078.16	5.62/400 kWh/kW
April 1, 1984		1775.36	28206.36	5.62/400 kWh/kW
February 2,1983		1762.71	28005.46	5.62/400 kWh/kW
January 1,1983		1643.85	26117.00	5.62/400 kWh/kW
August 1,1982		1786.56	28384.38	5.8247366/400 kWh/kW
February 1,1982		2361.07	37512.05	5.62/400 kWh/kW
October 1,1981		2098.51	33334.20	4.74/400 kWh/kW

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR ST.ALBERT

Effective: February 1,1986

Billing Demand (1):	100 kW or 111 KVA	1 000 kW or 1111 KVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
First 500 kW at $16.40/kW	1640.00	8200.00
Next 2000 kW at $12.75/kW	0.00	6375.00
Rest at $ 9.60/kW	0.00	0.00
Energy Charge:		
First 400 kWh per kW at 1.75c per kWh	437.50	7000.00
Rest at 0.95c per kWh	0.00	950.00
Sub-total	2077.50	22525.00
Less 18.75% Prov. Income Tax Rebate (effective Feb. 1,1986)	389.53	4223.44
TOTAL	1687.97	18301.56

(1) 90% Power factor assumed

Source: TransAlta Utilities Standard Industrial Rate: Rate Code 790

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR ST.ALBERT-HISTORICAL DATA

Billing Demand: (1)	100 kW or 111 KVA	1 000 kW or 1111 KVA	Run Out
Consumption/Month:	25 000 kWh	500 000 kWh	Cent/kWh/Over
	($)	($)	
Effective:			
February 1,1986 *	1687.97	18301.56	0.950/400 kWh/kW
February 1,1985	1591.11	17193.45	0.900/400 kWh/kW
November 1,1983	1582.24	17099.97	0.912/400 kWh/kW
February 1,1983	1442.66	15510.51	0.759/400 kWh/kW
September 1,1982	1289.92	13868.40	0.660/400 kWh/kW
October 1,1981	1219.40	13195.00	0.600/400 kWh/kW

* Current Rates
(1) 90% Power Factor Assumed

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CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR CALGARY

Effective: April 1,1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
First 2500 kWh at 9.58c per kWh	239.50	239.50	239.50	239.50
Next 100 kWh per kVA at 8.47c per kWh	1414.49	9410.17	47059.32	941110.19
Next 100 kWh per kVA at 4.55c per kWh	491.40	5055.05	25279.80	505555.09
Next 100000 kWh at 3.07c per kWh	0.00	3070.00	3070.00	3070.00
Rest at 2.38c per kW	0.00	1792.14	44893.94	944272.19
Sub-Total	2145.39	19566.86	120542.56	2394246.97
Less 6.00% Primary Meter Discount (minus first $500 of bill)	-	-	7202.55	143624.81
Base Total	2145.39	19566.86	113340.01	2250622.15
Less 13.30% Provincial rebate	285.34	2602.39	15074.22	299332.75
TOTAL	1860.05	16964.47	98265.79	1951289.40

Source: City of Calgary, General Service Demand - Energy Rate

* 13.3% provincial rebate effective April 1,1986

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR CALGARY-HISTORICAL DATA

Billing Demand:(1) Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kwh	100000 kW or 111 111 kVA(1) 62 000 000 kWh	Run Out Cent/kWh/Over
		($)	($)	($)	($)
Effective:					
April 1,1986 *	1860.05	16964.47	98265.79	1951289.40	2.3800/102500 kWh and 200 kWh per kVA
July 1,1985	1860.41	16962.26	98182.63	1949481.79	2.28/102500 kWh and 200 kWh per kVA
December 1,1983	1860.48	16948.61	97682.91	1940523.67	2.30/102500 kWh and 200 kWh per kVA
September 1,1983	1758.29	15606.23	89589.77	1779150.55	2.00/103500 kWh and 200 kWh per kVA
January 1,1983	1723.23	15295.09	87803.61	1743679.60	2.00/103500 kWh and 200 kWh per kVA
October 1,1982	1607.17	14275.05	81542.02	1618462.80	1.80/103500 kWh and 200 kWh per kVA
October 1,1981	1522.89	13173.13	74946.30	1486524.62	1.65/105000 kWh and 200 kWh per kVA
May 1,1981	1288.40	11166.57	67766.03	1343468.97	1.40/105000 kWh and 200 kWh per kVA
June 1,1980	1138.01	10166.57	61844.85	1226202.40	1.28/105000 kWh and 200 kWh per kVA
April 1,1979	1003.52	8838.51	54623.88	1084701.90	1.24/105000 kWh and 200 kWh per kVA

* Current Rates
(1) 90% Power Factor Assumed
City of Calgary rates

Date issued: October 1,1986
page: 352
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR EDMONTON

Effective: April 1,1985

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
Energy Charge:				
For 75 kVA and Over:				
First 6200 kWh at $445.00 per month	445.00	445.00	445.00	445.00
Next 200 kWh per kVA at 5.95c per kWh	1416.10	13220.90	66116.40	1322220.88
Next 250000 kWh at 4.10c per kWh	0.00	7035.60	10250.00	10250.00
Rest at 1.54c per kWh	0.00	0.00	26682.04	608632.62
Sub-Total	1861.10	20701.50	103493.44	1941548.50
Less Primary Demand Discount:				
First 1000 kVA at $ 0.61 per kVA	101.87	610.00	610.00	610.00
Rest at $ 0.51 per kVA	0.00	56.61	2323.56	56156.61
All kWh at 0.0136c /kWh	4.08	54.40	421.60	8432.00
TOTAL	1755.15	19980.49	100138.28	1876349.89

(1) 90% Power factor assumed

Source: Edmonton Power Primary Service Rate Schedule 4.12

Date issued: October 1,1986
page: 353
Superceded date: October 15,1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR EDMONTON-HISTORICAL DATA

Billing Demand: (1) Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1111 kVA 400 000 kWh	5000 kW or 5556 kVA 3100000 kwh	100000 kW or 111111 kVA(1) 62000000 kWh	Run Out Cent/kWh/Over
	($)	($)			
Effective:					
April 1,1985 *	1755.15	19980.49	100138.28	1876349.89	1.5400/256200 kWh and 200 kWh per kVA
April 1,1984	1631.65	18644.20	95270.40	1791931.41	1.55/256200 kWh and 200 kWh per kVA
April 1,1983	1530.03	17755.32	91651.80	1724979.80	1.55/256200 kWh and 200 kWh per kVA
August 1,1982	1357.23	16443.60	87628.50	1650974.00	1.70/256200 kWh and 200 kWh per kVA
April 1,1981	1224.72	14060.14	81638.14	1562018.80	2.00/306200 kWh and 150 kWh per kVA
December 1,1980	1104.82	12506.88	72443.78	1386929.81	1.75/306200 kWh and 150 kWh per kVA
October 1,1980	1014.90	11342.31	65299.96	1249908.39	1.55/306200 kWh and 150 kWh per kVA
April 1,1980	929.10	10608.21	55959.44	1052175.84	1.22/306200 kWh and 150 kWh per kVA
April 15,1978	808.89	9309.28	51738.68	956114.08	Under 2500 kVA: 1.10/456200 kWh and 200 kWh per kVA Over 2500 kVA: 1.40/425 kWh per kVA

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1.1986
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Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR GRANDE PRAIRIE

Effective: March 1.1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
Demand Charge:				
General Service:				
all kW at $ 3.17 per kW	475.50	-	-	-
Large General Service:				
For First 1000 kW or less				
$ 9659.00	-	9659.00	9659.00	9659.00
All over 1000 kW at $ 2.96 per kW	-	-	11840.00	293040.00
Energy Charge:				
General Service:				
First 200 kWh per kW				
at 8.40c per kWh	2520.00	-	-	-
at 5.56c per kWh	0.00	-	-	-
Rest at 5.06c per kWh	0.00	-	-	-
Large General Service:				
First 400 kWh per kW				
at 3.09c per kWh	-	12360.00	61800.00	1236000.00
Rest at 1.71c per kWh	-	0.00	18810.00	376200.01
Total Energy	2520.00	12360.00	80610.00	1612200.01
Less Interim Rebate of 10.37%	-261.32	-1281.73	-8359.26	-167185.14
Base Total	2734.18	20737.27	93749.74	1747713.87
Add Local Franchise Tax:				
4.71% of Base	128.78	976.73	4415.61	82317.32
Sub-total	2862.96	21713.99	98165.36	1830031.19
Less Provincial Rebate:				
15.40% of Base	421.06	3193.54	14437.46	269147.93
Less Electric Energy Marketing Agency Rebate: 25.50% of Base	697.21	5288.00	23906.18	445667.04
TOTAL	1744.68	13232.45	59821.71	1115216.23

Notes:

(1) 90% Power factor assumed
(2) Local franchise tax for Grande Prairie 4.71% effective March 1,1986
Source: Alberta Power Rate Schedule 21 and 31, General Service

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR GRANDE PRAIRIE-HISTORICAL DATA

Billing Demand: / Consumption/Month:		150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over	
			($)	($)	($)	($)	($)
Effective:							
March 1,1986	*	1744.68	13232.45	59821.71	1115216.23	5.0600/ 400 kWh per kW or 1.7100/ 400 kWh per kW	
July 1,1985		2334.34	17356.32	79674.29	1490620.44	5.62/400 kWh per kW or 1.90/400 kWh per kW	
February 1,1984		2337.66	17168.81	79604.69	1492765.81	5.62/400 kWh per kW or 1.90/400 kWh per kW	
February 1,1983		2321.01	17046.53	79037.70	1482133.57	5.62/400 kWh per kW or 1.90/400 kWh per kW	
January 1,1983		2269.73	16669.89	77291.40	1449386.30	5.62/400 kWh per kW or 1.90/400 kWh per kW	
August 1,1982		2352.41	17277.18	80107.12	1502187.50	5.82474/400 kWh per kW or 1.96922/400 kWh per kW	
February 1,1982		3106.89	22833.06	105867.43	1985250.90	5.62/400 kWh per kW or 1.90/400 kWh per kW	
October 1,1981		2763.42	19645.44	91064.64	1707611.24	4.74/400 kWh per kW or 1.55/400 kWh per kW	

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
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CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR ST.ALBERT

Effective: February 1,1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
Demand Charge:				
First 500 kW at $16.40/kW	2460.00	8200.00	8200.00	8200.00
Next 2000 kW at $12.75/kW	0.00	6375.00	25500.00	25500.00
Rest at $ 9.60/kW	0.00	0.00	24000.00	936000.00
Energy Charge:				
First 400 kWh per kW at 1.75c per kWh	525.00	7000.00	35000.00	700000.00
Rest at $ 0.95 per kWh	0.00	0.00	10450.00	209000.00
Sub-total	2985.00	21575.00	103150.00	1878700.00
Less single transformer discount of 22.00c per kW	-	-	-	22000.00
Less 18.75% Provincial Discount	559.69	4045.31	19340.63	348131.25
TOTAL	2425.31	17529.69	83809.38	1530568.75

(1) 90% Power factor assumed

Source: TransAlta Utilities Standard Industrial Rate: Rate Code 790

Date issued: October 1,1986
page: 357
Superceded date: October 15,1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR ST.ALBERT-HISTORICAL DATA

Billing Demand: / Consumption/Month:		150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over	
			($)	($)	($)	($)	($)
Effective:							
February 1,1986	*	2425.31	17529.69	83809.38	1530568.75	0.9500/400 kWh per kW	
February 1,1985		2287.06	16446.45	78605.15	1433494.15	0.90/400 kWh per kW	
November 1,1983		2218.92	15953.10	76292.80	1391573.00	0.890/400 kWh per kW	
February 1,1983		2074.68	14838.80	70616.58	1284243.66	0.759/400 kWh per kW	
September 1,1982		1855.03	13267.80	63140.35	1132881.80	0.66/400 kWh per kW	
October 1,1981		1754.02	12650.00	59491.25	1050390.30	0.60/400 kWh per kW	

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY
COSTS FOR URBAN AND RURAL AREAS: TRANSALTA UTILITIES.

effective: February 1.1986

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
		($)		($)
Service Charge			$ 7.15	7.15
Energy Charge			6.70c/kWh	67.00
Sub-total				74.15
Prov. Income Tax Rebate				13.90
TOTAL		60.25		60.25

* See page 307

Source: TransAlta Rate Schedule 190

N.B. Rates for residential use on a bona fide farm differ from those shown above

HISTORICAL RURAL RATES
TRANSALTA UTILITIES

Effective Date		1000 kWh/Month ($)	Run Out Cents/Kwh/Over
February 1,1986	*	60.25	6.7000/All
February 1,1985		58.71	6.36/all
November 1,1983		56.99	6.25/all
February 1,1983		56.89	5.635/all
September 1,1982		50.87	4.9/all
October 1,1981		50.60	4.8/all
April 1,1980		43.66	4.05/250
March 1,1979		37.43	3.8/250

* Current Rates

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COSTS
FOR URBAN AND RURAL AREAS: ALBERTA POWER

effective: March 1,1986

	Urban		Rural (1)			
	Rate	1000 kWh/Mo.	Rate (a)	1000 kWh/Mo.	Rate (b)	1000 kWh/Mo.
	($)		($)		($)	
Service Charge			$ 6.52	6.52	$ 7.71	7.71
First 200 kWh			9.19c/kWh	18.38	9.95c/kWh	19.90
Next 300 kWh			6.52c/kWh	19.56	8.04c/kWh	24.12
Balance			5.33c/kWh	26.65	5.33c/kWh	26.65
Base Total				71.11		78.38
Less Interim Rebate of 10.37%				7.37		7.66
Less Provincial Rebate: 15.4% of Base				10.95		12.07
Less Electric Energy Marketing Agency Rebate: 25.50 of Base				18.13		19.99
TOTAL (2)		51.53 *		34.65		38.67

Source: Alberta Power, Rate Schedules 11,12, 13.

Notes:

* See page 305

(1) Rural Rate (a) applies to communities of 101 to 2000 customers
Rural Rate (b) applies to communities of 100 or fewer customers

(2) Totals are subject to additional franchise and municipal charges, varying by community

HISTORICAL RURAL RATES FOR ALBERTA POWER

Effective Date		1000 kWh/Month ($)	Run Out Cents/Kwh/Over
March 1,1986	*	(a) 34.65	5.330/500
		(b) 38.67	5.330/500
July 1,1985		(a) 50.38	5.92/500
		(b) 55.38	5.92/500
April 1. 1984		(a) 51.76	5.92/500
		(b) 57.06	5.92/500
February 1,1983		(a) 51.36	5.92/500
		(b) 56.62	5.92/500
August 1982		(a) 53.23	6.1356656/500
		(b) 58.69	6.1356656/500
April 1982		(a) 71.12	5.92/500
		(b) 78.40	5.92/500

* Current Rates

(a) Domestic rate schedule 12: 101 to 2000 customers

(b) Domestic rate schedule 13: 1-100 customers

Date issued: October 1,1986
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Taxes on Electricity Bills in Saskatchewan - Cities

	HEATING	LIGHTING	COOKING
	%	%	%
Residential			
Surcharge	10	10	10
Sales Tax	0	0	0
Commercial			
Surcharge	10	10	10
Sales Tax	5	5	5
Industrial			
Surcharge	10	10	10
Sales Tax	5	5	5

NOTES

Surcharge collected by Saskatchewan Power Corporation, remitted to city, town or village

Provincial Sales Tax: Education and Health Tax. All electric heating for residential accounts: 1%

Taxes on Electricity Bills in Saskatchewan - Towns & Villages

	HEATING	LIGHTING	COOKING
	%	%	%
Residential			
Surcharge	5	5	5
Sales Tax	1	5	5
Commercial			
Surcharge	5	5	5
Sales Tax *	5	5	5
Industrial			
Surcharge	5	5	5
Sales Tax	5	5	5

NOTES

Rural municipalities not authorized to assess surcharge

Provincial Sales Tax- 2% for grain elevators with electrically heated offices *

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR REGINA

effective: March 1,1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Basic Monthly Charge	3.30	3.30	3.30	3.30	3.30
All kWh at 4.77c per kWh	11.93	23.85	35.78	47.70	238.50
Sub-total	15.23	27.15	39.08	51.00	241.80
Add 10.00% surcharge	1.52	2.72	3.91	5.10	24.18
TOTAL	16.75	29.86	42.98	56.10	265.98

Source: Saskatchewan Power Residential Rates Standard Code E01

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR REGINA-HISTORICAL DATA

	KWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
March 1,1986 *	16.75	29.86	42.98	56.10	265.98	4.77000/All
August 1,1984	15.52	27.68	39.83	51.99	246.47	4.42/all
July 9,1983	13.95	25.24	36.53	47.82	219.76	3.91/all
August 1,1981	12.13	21.95	31.76	41.58	191.09	3.40/all
August 1,1980	11.47	19.85	28.21	36.59	156.30	2.72/320
June 1,1979	11.30	18.55	25.37	32.18	141.21	2.36/320
August 15,1977	10.32	16.95	23.19	29.42	129.12	2.20/320
June 1976	9.69	15.29	20.49	26.68	105.73	1.80/320
1976	6.65	10.93	N/A	18.93	82.93	1.60/320
July 1975	N/A	8.48	N/A	13.98	57.98	N/A
July 1974	N/A	8.48	N/A	13.98	57.98	N/A

* Current Rates
N/A - not available

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CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR SASKATOON

effective: March 1.1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge $ 3.64	3.64	3.64	3.64	3.64	3.64
All at 5.25c /kWh	13.13	26.25	39.38	52.50	262.50
TOTAL	16.76	29.89	43.01	56.14	266.14

Source: City of Saskatoon Residential Rate

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR SASKATOON-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
March 1,1986 *	16.76	29.89	43.01	56.14	266.14	5.25000/ALL
August 1,1984	15.24	26.02	36.79	47.57	219.97	4.31/200
July 9,1983	14.83	26.15	37.46	48.77	221.04	4.31/200
August 1,1981	12.89	22.73	32.58	42.42	192.30	3.75/200
August 1,1980	11.45	19.85	28.25	36.65	156.67	3.00/1110
June 1,1979	11.74	18.56	25.39	32.21	141.41	2.60/250
September 1977	10.40	16.95	23.52	30.08	135.08	2.50/250
August 15,1977	9.90	16.15	22.49	28.65	128.65	2.50/250
July 1,1976	8.66	13.91	19.16	24.41	108.41	2.00/250

* Current Rates, City of Saskatoon

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CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR REGINA

Effective: March 1,1986

Billing Demand (1): Consumption/Month:	100 kW or 111 kVA 25 000 kWh	1 000 kW or 1111 kVA 500 000 kWh
	($)	($)
Basic service charge	6.70	6.70
Demand Charge:		
First 50 kVA	-	-
Rest at $ 9.33/kVA	569.13	9899.13
Energy Charge:		
First 10000 kWh at 6.58c/kWh	658.00	658.00
Rest at 2.52c per kWh	378.00	12348.00
Sub-total	1611.83	22911.83
Plus 10.00% Surcharge	161.18	2291.18
Sub-total	1773.01	25203.01
Plus 5.00% E and H Tax	88.65	1260.15
TOTAL	1861.66	26463.16

(1) 90% Power factor assumed

Source: Saskatchewan Power Corporation
General Service Schedules E05

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR REGINA-HISTORICAL DATA

Billing Demand: (1) Consumption/Month:		100 kW or 111 kVA 25 000 kWh	1 000 kW or 1111 kVA 500 000 kWh	Run Out Cent/kWh/Over
		($)	($)	
Effective:				
March 1,1986	*	1861.66	26463.16	For 75-7500 kVA 6.58/All
August 1,1984		1736.48	24677.67	For 75-7500 kVA: 6.14/all
July 9,1983		1598.69	21944.04	For 75-7500 kVA: 2.14/all
February 1,1982		1389.64	19082.33	For 75-7500 kVA: 1.86/all
February 1,1981		1240.87	16554.27	For 75-999 kVA: 1.7/all For 1000-7500 kVA: 1.6/all
February 1,1980		1080.62	14886.10	1.60 & 1.7/all
June 1,1979		978.35	14162.00	1.6/300 kWh per kVA
August 15,1977		877.74	12336.67	1.4/300 kWh per kVA

* Current Rates
(1) 90% Power Factor Assumed

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CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR SASKATOON

Effective: March 1,1986

Billing Demand (1):	38 kW or 35 kVA	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	10 000 kWh	25 000 kWh	500 000 kWh
	($)		($)
Service charge	7.38	7.38	7.38
Demand Charge:			
First 50 kVA	-	-	-
Rest at $10.26/kVA	0.00	625.86	10885.86
Energy Charge:			
First 10000 kWh at 7.24c/kWh	724.00	724.00	724.00
Rest at 2.78c /kWh	0.00	417.00	13622.00
Sub-total	731.38	1774.24	25239.24
Plus 5.00% E and H Tax	36.57	88.71	1261.96
TOTAL	767.95	1862.95	26501.20

(1) 90% Power factor assumed

Source: City of Saskatoon: General Service Schedules 030,040 & 050

Date issued: October 1,1986
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Superceded date: October 15,1985

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR SASKATOON-HISTORICAL DATA

Billing Demand: (1) Consumption/Month:	38 kVA or 35 kW 10 000 kWh	100 kW or 111 kVA 25 000 kWh	1 000 kW or 1111 kVA 500 000 kWh	Run Out Cent/kWh/Over
	($)	($)	($)	
Effective:				
March 1,1986 *	767.95	1862.95	26501.20	Over 10000 kWh 2.78c/kWh
August 1,1984	715.97	1736.86	24702.98	Over 10000 kWh:2.59c/kWh
July 9,1983	654.74	1539.68	21372.44	For 15-75 kVA:3.34/200/kVA For 75-500 kVA:6.65/all For 500-1500 kVA:3.34/all
February 1,1982	654.74	1337.96	18578.39	For 15-75 kVA:3.34/200/kVA For 75-500 kVA:2.1/all For 500-1500 kVA:2.05/all
March 1,1981	568.37	1188.73	16210.18	For 15-75 kVA:3.0/200/kVA For 75-500 kVA:1.9/all For 500-1500 kVA:1.85/all
March 1,1980	515.87	1021.76	14699.48	For 15-75 kVA:2.9/300/kVA For 75-500 kVA:1.85/all For 500-1500 kVA:1.8/all
September 1977	-	934.89	16315.82	For 15-75 kVA:2.9/300/kVA For 75-500 kVA:1.85/all For 500-1500 kVA:1.8/all

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1.1986
page: 450
Superceded date: October 15.1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR REGINA

Effective: March 1.1986

Billing Demand: Consumption/Month:	Sched. E05 150 kW or 167 kVA 30 000 kWh	Sched. E05 1 000 kW or 1111 kVA 400 000 kWh	Sched. E05 5000 kW or 5556 kVA 3 100 000 kWh
	($)	($)	($)
Basic service charge	6.70	6.70	6.70
Demand Charge:			
First 10 kVA	-	-	-
Rest at $ 9.33/kVA	1091.61	9899.13	51370.98
Energy Charge:			
First 10000 kWh at 6.58c per kWh	658.00	658.00	658.00
Rest at 2.52c/kWh	504.00	9828.00	77868.00
Sub-total	2260.31	20391.83	129903.68
Plus 10.00% Surcharge	226.03	2039.18	12990.37
Sub-total	2486.34	22431.01	142894.05
Plus 5.00% E and H Tax	124.32	1121.55	7144.70
TOTAL	2610.66	23552.56	150038.75

(1) 90% Power factor assumed

Source: Saskatchewan Power Corp. general service schedule E05

Date issued: October 1.1986
page: 451
Superceded date: October 15,1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR REGINA-HISTORICAL DATA

Billing Demand:		150 kW or 167 kVA	1 000 kW or 1 111 kVA	5 000 kW or 5 556 kVA	Run Out
Consumption/Month:		30 000 kWh	400 000 kWh	3 100 000 kWh	Cents/kWh/Over
		($)	($)	($)	($)
Effective:					
March 1.1986	*	2610.66	23352.56	150038.75	For 75-7500 kVA: 6.58/All
August 1.1984		2434.91	21963.42	139913.75	For 75-7500 kVA: 6.14/all
July 9.1983		2217.08	19472.34	124559.03	For 75-7500 kVA: 2.14/all
February 1.1982		1927.18	16934.03	108308.97	For 75-999 kVA: 1.86/all
February 1.1981		1717.43	14706.27	93865.93	For 75-999 kVA: 1.7/all For 1000-7500 kVA: 1.6/all
February 1.1980		1476.09	13038.10	85523.59	1.7 & 1.6/all
June 1.1979		1308.05	12349.20	81691.34	1.60/300 kWh per kVA
August 1977		1051.53	9773.16	69177.35	1.4/300 kWh per kVA

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1.1986
page: 452
Superceded date: October 15.1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR SASKATOON

Effective: March 1.1986

Billing Demand: Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1111 kVA 400 000 kWh	5000 kW or 5556 kVA 3 100 000 kWh
	($)	($)	($)
Service Charge	7.38	7.38	7.38
Demand Charge:			
First 50 kVA	-	-	-
Rest at $ 10.26/kVA	1200.42	10885.86	56491.56
Energy Charge:			
First 10000 kWh at 7.24c/kWh	724.00	724.00	724.00
Rest at 2.78c/kWh	556.00	10842.00	85902.00
Sub-total	2487.80	22459.24	143124.94
Plus 5.00% E and H Tax	124.39	1122.96	7156.25
TOTAL	2612.19	23582.20	150281.19

(1) 90% Power factor assumed

Source: City of Saskatoon: General service schedules IV & V

Date issued: October 1.1986
page: 453
Superceded date: October 15.1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR SASKATOON-HISTORICAL DATA

Billing Demand: / Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)
Effective:				
March 1.1986 *	2612.19	23582.20	150281.19	Over 10000 kWh: 2.78/All
August 1.1984	2435.55	21983.48	140075.56	Over 10000 kWh:2.59/all
July 9.1983	2123.02	18894.44	121388.24	For 75-7500 kVA:2.42/all 500-1500 kVA:2.36/all 1500-6000 kVA:2.36/all
February 1.1982	1845.11	16425.89	105522.27	For 75-500 kVA:2.1/all For 500-1500 kVA:2.05/all For 1500-6000 kVA:2.05/all
March 1.1981	1636.57	14267.68	90617.56	For 75-500 kVA:1.9/all For 500-1500 kVA:1.85/all For 1500-6000 kVA:1.8/all
March 1.1980	1389.36	12809.48	82631.22	For 75-500 kVA:1.85/all For 500-1500 kVA:1.8/all For 1500-6000 kVA:1.75/all
September 1977	1166.51	10966.20	72160.20	For 150-500 kVA: 1.6/300 kWh per kVA For 500-1000 kVA:

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY
COSTS FOR URBAN AND RURAL AREAS: SASKATCHEWAN POWER.

effective: March 1.1986

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
	($)		($)	
See page 404 Service Charge	56.10		-	-
			$ 6.70	6.70
Energy Charge			4.77c/kWh	47.70
TOTAL				54.40

Source: Saskatchewan Power. Standard Residential Rate: Rural and Rural Resort E03.

Date issued: October 1.1986
Page: 476
Superceded date: October 15.1985

HISTORICAL RURAL RATES
FOR SASKATCHEWAN POWER

Effective Date	1000 kWh/Month ($)	Run Out Cents/Kwh/Over
March 1.1986 *	54.40	4.7700/All
August 1.1984	50.40	4.42/all
July 9.1984	46.67	3.98/all
August 1.1981	40.58	3.46/all
August 1.1980	34.18	2.72/1115
June 1.1979	37.53	2.36/360

* Current Rates

Date issued: October 1,1986
page: 500
Superceded date: October 15,1985

Taxes on Electricity Bills in Manitoba

	PROVINCIAL	WINNIPEG	WINNIPEG TOTAL
	%	%	%
Residential Standard	6.00	2.50	8.50
Residential All Electric	1.20	0.50	1.70
Commercial Standard	6.00	5.00	11.00
Commercial All Electric	6.00	5.00	11.00
Industrial Standard	6.00	5.00	11.00
Industrial All Electric	6.00	5.00	11.00

Date issued: October 1,1986
page: 501
Superceded date: October 15,1985

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR WINNIPEG

effective: April 1,1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge $ 4.05	4.05	4.05	4.05	4.05	4.05
First 185 kWh at 4.678c /kWh	8.65	8.65	8.65	8.65	8.65
Rest at 3.278c /kWh	2.13	10.33	18.52	26.72	157.84
Sub-total	14.84	23.03	31.23	39.42	170.54
Plus 8.5% (6% provincial tax + 2.5% municipal tax)	1.26	1.96	2.65	3.35	14.50
TOTAL	16.10	24.99	33.88	42.77	185.04

Note: Exemption of primary space heating from the electricity tax is applicable for all residential services where electricity is the principal energy for space heating.

Source:Manitoba Hydro - Leaflet

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR WINNIPEG-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
April 1,1986 *	16.10	24.99	33.88	42.77	185.04	3.278/185
April 1,1985	15.77	24.38	32.99	41.61	179.40	3.175/195
April 1,1984	15.22	23.33	31.43	39.54	158.61	2.988/225
May 15,1983	14.11	21.63	29.14	36.65	147.04	2.77/225
February 1,1979	12.77	19.58	26.37	33.17	141.96	2.530/225
February 1,1978	11.14	17.08	23.02	28.96	123.99	2.21/150
March 17 1977	9.94	15.05	20.16	25.26	106.96	1.90/200
April 1,1976	8.76	13.01	17.25	21.50	89.44	1.58/250
April 15,1975	7.07	10.37	13.68	16.99	69.88	1.23/250
April 1,1974	5.67	8.49	11.31	14.14	59.29	1.05/200

* Current Rates

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR WINNIPEG

Effective: April 1.1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Service Charge	10.81	10.81
Demand Charge:		
For 100 kW and over:		
First 50 kVA at nil cost	-	-
Rest at $ 6.05 per kVA	369.05	6419.05
Energy Charge:		
For 100 kW and over:		
First 1090 kWh at 6.065c per kWh	66.11	66.11
next 10750 kWh at 3.770c per kWh	405.28	405.28
Rest at 1.456c per kWh	191.61	7107.61
Sub-total	1042.85	14008.85
Plus 11.00% (provincial tax of 6% and municipal tax of 5%)	114.71	1540.97
TOTAL	1157.57	15549.83

(1) 90% Power factor assumed

Source: Manitoba Hydro, Power Service Standard AD1 148A

Date issued: October 1,1986
page: 526
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MONTHLY COMMERCIAL ELECTRICITY COSTS FOR WINNIPEG-HISTORICAL DATA

Billing Demand: (1) / Consumption/Month:		100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:				
April 1,1986	*	1157.57	15549.83	For 100 kW and over 1.456/11840 kWh
April 1,1985		1125.11	15092.51	for 100 kW and over 1.407/11800 kWh
April 1,1984		1069.21	14292.92	for 100 kW and over 1.3327/11700 kWh
May 15,1983		991.09	13248.26	for 100 kW and over 1.23/11700 kWh
February 1,1979		896.84	11973.84	for 100 kW and over 1.120/11700 kWh
February 1,1978		776.22	10461.72	0.98/all

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 550
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR WINNIPEG

Effective: April 1,1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
Service charge	10.81	-	-	-
Demand Charge:				
For 100-900 kW:				
First 50 kVA at nil cost	-	-	-	-
Rest at $ 6.05/kW	707.85	-	-	-
For 1000 kW at $ 5.41/kVA and	-	6010.51	-	-
for 5000 kW at $ 4.90 per kVA	-	-	27224.40	-
For 20000 and over:				
All at $ 4.44 per kVA	-	-	-	493332.84
Energy Charge:				
For 100-900 kW:				
First 1090 kWh at 6.065c per kWh	66.11	-	-	-
Next 10750 at 3.770c per kWh	405.28	-	-	-
Rest at 1.456c per kWh	264.41	-	-	-
For 1000-19 999 kW:				
All kWh at 1.456c per kWh	-	5824.00	45136.00	-
For 20000 kW and over:				
All kWh at 1.456c per kWh	-	-	-	902720.00
Sub-total	1454.45	11834.51	72360.40	1396052.84
Plus 11.00% tax (6.00% provincial Tax and 5.00% municipal tax)	159.99	1301.80	7959.64	153565.81
TOTAL	1614.44	13136.31	80320.04	1549618.66

(1) 90% Power factor assumed

Source: Manitoba Hydro General Service and Power Rates
Tariff 42-01, 42-02, 42-03 and 42-04

Date issued: October 1,1986
page: 551
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MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR WINNIPEG-HISTORICAL DATA

Billing Demand: / Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
April 1,1986 *	1614.44	13136.31	80320.04	1549618.66	1.4560/11840
April 1,1985	1569.94	12782.37	78152.19	1504808.40	1.407/11800
April 1,1984	1491.58	12144.25	74401.03	1428774.14	1.327/11700
May 15,1983	1382.58	11257.29	68966.43	1325018.83	1.23/11700
February 1,1979	1251.04	10183.03	64471.88	1197728.48	1.12/11700
February 1,1978	1085.76	8772.67	53586.28	1028915.20	0.98/all

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR URBAN AND RURAL AREAS: MANITOBA HYDRO.

effective: April 1,1986

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
	($)		($)	
Service Charge			$ 9.99	9.99
First 205 kWh			6.602c/kWh	13.53
rest			3.278c/kWh	26.06
Sub-total				49.58
Plus 6% Provincial Sales Tax				2.98
TOTAL		42.77 *		52.5

Source: Manitoba Hydro Rural Residential Rate

* See page 501

Taxes and Discounts on Electricity Bills in Ontario

	HEATING	LIGHTING	COOKING
Residential	---------- Exempt ----------		
Commercial	---------- Exempt ----------		
Industrial	---------- Exempt ----------		

Date issued: October 1,1986
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A.I.B. Rebates to Toronto Hydro-Electric Customers

Period	Rebate (% of Gross Power Bill)
January-June 1978 inclusive	4.0
July-October 1978 inclusive	6.4
November & December 1978	6.2
January-December 1979 inclusive	4.0
January & February 1980	2.8
March & April 1980	1.1
May & June 1980	1.2

The rebate was applied before the prompt payment discount and was not subject to the prompt payment discount. There were no rebate after June 30,1980

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CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR OTTAWA

effective: January 1,1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
First 250 kWh at 5.40c per kWh	13.50	13.50	13.50	13.50	13.50
Rest at 4.45c per kWh	0.00	11.13	22.25	33.37	211.38
TOTAL	13.50	24.63	35.75	46.87	224.88

Source: Ottawa Hydro: Ottawa Hydro Residential Schedule.

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR OTTAWA-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
January 1,1986 *	13.50	24.63	35.75	46.87	224.88	4.450/250
January 1,1985	12.88	23.70	34.53	43.35	218.55	4.33/250
January 1,1984	12.00	22.15	32.30	42.45	204.85	4.06/250
January 1,1983	11.25	20.90	30.55	40.20	194.60	3.86/250
February 1,1982	10.15	19.00	27.85	36.70	178.30	3.54/250
February 1,1981	9.20	17.00	24.80	32.60	157.40	3.12/250
February 1,1980	8.55	15.68	22.80	29.93	143.93	2.85/250
February 1,1979	7.80	14.18	20.55	26.93	128.93	2.55/250
February 1,1978	7.50	13.50	19.50	25.50	121.50	2.40/250
February 1,1977	7.20	12.82	18.45	24.08	114.08	2.25/250

* Current Rates

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR TORONTO

effective: January 1.1986

	kWh Per Month				
	250	500	750	1000	5000
	($)				
First 250 kWh at 7.27c per kWh	18.17	18.17	18.17	18.17	18.17
Rest at 5.41c per kWh	0.00	13.53	27.05	40.58	256.98
Sub-total	18.17	31.70	45.22	58.75	275.15
Less 10.00% prompt payment discount	1.82	3.17	4.52	5.88	27.52
TOTAL	16.36	28.53	40.70	52.88	247.63

*N.B. Minimum Monthly Bill $5.00

Source: Toronto Hydro Residential Rate

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR TORONTO-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
January 1.1986 *	16.36	28.53	40.70	52.88	247.63	5.410/250
January 1.1985	15.73	27.45	39.17	50.90	238.46	5.21/250
January 1.1984	14.23	25.12	36.01	46.90	221.14	4.84/250
January 1.1983	13.03	22.93	32.83	42.73	201.13	4.4/250
January 1.1982	12.23	21.44	30.64	39.84	187.08	4.09/250
January 1.1981	11.40	19.50	27.60	35.70	165.30	3.24/250
January 1.1980	10.68	17.77	24.86	31.95	145.35	2.835/250
January 1.1979	10.09	16.52	22.96	29.39	132.35	2.86/250
January 1.1978	9.27	15.12	20.97	26.82	120.42	2.34/250
January 1.1977	8.79	14.19	19.59	24.99	111.39	2.16/250
February 1.1976	7.43	11.70	15.98	20.25	88.65	1.71/250
January 2.1975	6.54	10.14	13.74	17.34	74.94	1.44/250
February 1.1974	6.17	9.34	12.51	15.68	66.44	1.269/250

* Current Rates

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR LONDON

effective: January 1,1986

	kWh Per Month				
	250	500	750	1000	5000
	($)				
First 250 kWh at 6.95c per kWh	17.38	17.38	17.38	17.38	17.38
Rest at 4.50c per kWh	0.00	11.25	22.50	33.75	213.75
TOTAL	17.38	28.63	39.88	51.13	231.13

Source: London Public Utilities Commision: Residential Rate

Date issued: October 1,1986
Page: 606
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MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR LONDON-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
January 1,1986 *	17.38	28.63	39.88	51.13	231.13	4.500/250
January 1,1985	17.00	28.13	39.25	50.37	228.38	4.45/250
January 1,1984	15.63	31.25	41.75	52.25	220.25	4.2/500
January 1,1983	14.25	24.25	34.25	44.25	204.25	4.0/250
January 1,1982	13.00	22.25	31.50	40.75	188.75	3.70/250
January 1,1981	11.85	19.93	28.00	36.08	165.28	3.23/250

* Current Rates

Date issued: October 1.1986
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Superceded date: October 15.1985

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR SUDBURY

effective: January 1.1986

	kWh Per Month				
	250	500	750	1000	5000
	($)				
First 250 kWh at 8.22c /kWh	20.55	20.55	20.55	20.55	20.55
Rest at 4.78c per kWh	0.00	11.95	23.90	35.85	227.05
TOTAL	20.55	32.50	44.45	56.40	247.60

Source: Sudbury Hydro Electric Commision: Residential Rate

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR SUDBURY-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
January 1,1986 *	20.55	32.50	44.45	56.40	247.60	4.780/250
January 1,1985	19.63	31.00	42.38	53.90	238.30	4.55/250
January 1,1984	18.13	28.93	39.73	50.53	223.32	4.32/250
January 1,1983	16.38	26.43	36.48	46.53	207.32	4.02/250
January 1,1982	15.00	24.28	33.55	42.83	191.23	3.71/250

* Current Rates

Date issued: October 1.1986
page: 625
Superceded date: October 15.1985

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR OTTAWA

Effective: January 1.1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
First 50 kW at nil cost	-	-
Rest at $ 3.55/kW	177.50	3372.50
Energy Charge:		
First 250 kWh at 5.90c per kWh	14.75	14.75
next 12250 kWh at 4.89c per kWh	599.03	599.03
next 2280000 kWh at 3.46c per kWh	432.50	16867.50
Rest at 2.03c per kWh	0.00	0.00
TOTAL	1223.78	20853.78

(1) 90% Power factor assumed

Source: Ottawa Hydro General Service Rate (0-5000 kW)

Date issued: October 1,1986
page: 626
Superceded date: October 15,1985

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR OTTAWA-HISTORICAL DATA

Billing Demand: (1)	100 kW or 111 kVA	1 000 kW or 1111 kVA	
Consumption/Month:	25 000 kWh	500 000 kWh	Run Out Cent/kWh/Over
	($)	($)	
Effective:			
January 1,1986 *	1223.78	20853.78	2.030/ 2292500 kWh
January 1,1985	1184.18	20154.18	1.95/2252500
January 1,1984	1117.85	19152.85	1.69/2002500
January 1,1983	1030.10	17847.60	1.57/1962000
February 1,1982	949.90	16247.40	1.45/1956000
February 1,1981	849.58	14294.58	1.32/2117000
February 1,1980	782.68	12945.18	1.45/21020000
February 1,1979	710.70	11543.18	0.06/1884000
February 1,1978	675.88	11033.38	0.96/1884000

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR TORONTO

Effective: January 1,1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
$ 4.03 per kW	403.00	4030.00
Energy Charge:		
First 100 kWh/kW at 8.74c per kWh	874.00	8740.00
next 100 kWh/kW at 4.01c per kWh	401.00	4010.00
Rest at 2.57c per kWh	128.50	7710.00
Subtotal	1806.50	24490.00
Less 10% Prompt Payment Discount	180.65	2449.00
TOTAL	1625.85	22041.00

(1) 90% Power factor assumed

Customers supplied at 1000 kW and more are subject to a voltage discount when supplied at 13 800 volts

Source: Toronto Hydro Commercial - Industrial Rate

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR TORONTO-HISTORICAL DATA

Billing Demand:(1) / Consumption/Month:	100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:			
January 1,1986 *	1625.85	22041.00	2.570/ 200 kWh
January 1,1985	1564.65	21204.00	2.47/200 kWh per kW
January 1,1984	1467.90	19494.00	2.14/200 kWh per kW
January 1,1983	1340.55	17793.00	1.95/200 kWh per kW
January 1,1982	1252.80	16623.00	1.82/200 kWh per kW
January 1,1981	1138.05	15003.00	1.45/200 kWh per kW
January 1,1980	1034.10	13626.00	1.314/200 kWh per kW
January 1,1979	960.75	12645.00	1.215/200 kWh per kW
January 1,1978	823.45	10824.24	1.107/200 kWh per kW

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1.1986
page: 629
Superceded date: October 15.1985

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR LONDON

Effective: January 1.1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
First 50 kW at nil cost	-	-
Rest at $ 3.50/kW	175.00	3325.00
Energy Charge:		
First 250 kWh at 6.95c per kWh	17.38	17.38
next 12250 kWh at 4.85c per kWh	594.13	594.13
next 2172500 kWh at 3.45c per kWh	431.25	16818.75
Rest at 2.03c per kWh	0.00	0.00
Total Energy	1042.75	17430.25
TOTAL	1217.75	20755.25

(1) 90% Power factor assumed

Source: London Public Utilities Commission: General Service Rate (0-5000 kW)

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR LONDON-HISTORICAL DATA

Billing Demand:(1) Consumption/Month:	100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:			
January 1.1986 *	1217.75	20755.25	2.030/2185000 kWh
January 1.1985	1192.63	20255.13	1.95/2105000
January 1.1984	1104.62	19004.63	1.69/2012500
January 1.1983	988.75	17103.75	1.57/2195000
January 1.1982	918.25	15903.25	1.45/2180000
January 1.1981	805.73	13653.23	1.32/2610000

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR SUDBURY

Effective: January 1,1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
First 50 kW at nil cost	-	-
Rest at $ 4.50/kW	225.00	4275.00
Energy Charge:		
First 250 kWh at 8.22c per kWh	20.55	20.55
next 12250 kWh at 4.63c per kWh	567.18	567.18
Rest at 3.83c per kWh	478.75	18671.25
Total Energy	1066.47	19258.97
TOTAL	1291.47	23533.97

(1) 90% Power factor assumed

Source: Sudbury Hydro Electric Commission: General Service Rate

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR SUDBURY-HISTORICAL DATA

Billing Demand: (1)		100 kW or 111 kVA	1 000 kW or 1111 kVA	
Consumption/Month:		25 000 kWh	500 000 kWh	Run Out Cent/kWh/Over
		($)	($)	
Effective:				
January 1.1986	*	1291.47	23533.97	3.830/12500 kWh
January 1.1985		1373.45	22955.95	3.71/12500
January 1.1984		1300.43	21584.93	3.45/12500
January 1.1983		1186.13	19953.63	3.25/10000
January 1.1982		1110.48	18352.98	2.91/10000
February 1.1981		1026.75	16501.75	2.50/10000

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1.1986
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Superceded date: October 15.1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR OTTAWA

Effective: January 1.1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3 100 000 kWh	62 000 000 kWh
	($)	($)	($)	($)
Demand Charge:				
For 0-4950 kW:				
First 50 kW at nil cost	-	-	-	-
Rest at $ 3.55/kW	355.00	3372.50	-	-
For 4951 kW and over:				
All at $10.10 per kW	-	-	50500.00	1010000.00
Energy Charge:				
For 0-4 950 kW:				
First 250 kWh at 5.90c per kWh	14.75	14.75	-	-
next 12250 kWh at 4.89c per kWh	599.03	599.03	-	-
next 2280000 kWh at 3.46c per kWh	605.50	13407.50	-	-
Rest at 2.03c per kWh	0.00	0.00	-	-
For 4 951 kW and over: 2.03c per kWh	-	-	62930.00	1258600.00
TOTAL	1574.28	17393.78	113430.00	2268600.00

(1) 90% Power factor assumed

Source: Ottawa Hydro General Service Rates

Date issued: October 1.1986
page: 651
Superceded date: October 15.1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR OTTAWA-HISTORICAL DATA

Billing Demand: / Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
January 1.1986 *	1574.28	17393.78	113430.00	2268600.00	For 0-4 950 kW 2.030/2292500 For 4 951 kW and over 2.030/all
January 1.1985	1523.68	16814.18	109013.92	2179000.00	for 0-5 000 kW 1.950/2252500 for 5 001 kW an 1.95/all
January 1.1984	1435.35	15952.85	98380.60	1967800.00	for 0-5 000 kW 1.69/2002500 for 5 001 kW and over 1.69/all
January 1.1983	1320.60	14837.60	90920.40	1818400.00	for 0-5 000 kW 1.57/1962000 for 5 001 kW and over 1.57/all
February 1.1982	1224.40	13557.40	83201.80	1664000.00	for 0-5 000 kW 1.45/1956000 kWh for 5 001 kW and over 1.45/all
February 1.1981	1104.58	11994.58	75670.00	1513400.00	1.32/over 2117000 or all
February 1.1980	1024.18	10915.18	67950.00	1359000.00	1.2/over 2020000 or all
February 1.1979	938.18	9793.18	59860.00	1197200.00	1.06/over 1884000 or all
February 1.1978	898.38	9383.38	56760.00	1135200.00	0.96/over 1844000 or all

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
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Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR TORONTO

Effective: January 1,1986

Billing Demand: Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1111 kVA 400 000 kWh	5000 kW or 5556 kVA 3100000kWh	100000 kW or 111111 kVA 62000000 kWh
	($)	($)	($)	($)
Demand Charge:				
$ 4.03 Per kW	604.50	4030.00	20150.00	403000.00
Energy Charge:				
First 100 kWh/KW at 8.74c/ kWh	1311.00	8740.00	43700.00	874000.00
next 100 kWh/KW at 4.01c/ kWh	601.50	4010.00	20050.00	401000.03
Rest at 2.57c/ kWh	0.00	5140.00	53970.00	1079399.97
Total Energy Charge	1912.50	17890.00	117720.00	2354400.00
Subtotal	2517.00	21920.00	137870.00	2757400.03
Less 10% Prompt Payment Discount	251.70	2192.00	13787.00	275740.00
TOTAL	2265.30	19728.00	124083.00	2481660.03

(1) 90% Power factor assumed

Customers would normally be expected to supply own transformation equipment and would receive an effective discount of 7.84%

Source: Toronto Hydro

Date issued: October 1,1986
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Superceded date: October 15,1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR TORONTO-HISTORICAL DATA

Billing Demand: / Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
January 1,1986 *	2265.30	19728.00	124083.00	2481660.03	2.57/ 200 kWh per kW
January 1,1985	2180.25	18981.00	119359.00	2387160.01	2.47/200 kWh per kW
January 1,1984	2057.40	17568.00	109026.00	2180519.98	2.14/200 kWh per kW
January 1,1983	1879.20	16038.00	99495.00	1989899.93	1.95/200 kWh per kW
January 1,1982	1765.35	14985.00	92943.00	1858860.00	1.82/200 kWh per
January 1,1981	1598.40	13554.00	83709.00	1674180.00	1.61/200 kWh per kW
January 1,1980	1452.60	12312.00	76014.00	1520280.00	1.314/200 kWh per kW
January 1,1979	1350.00	11430.00	70515.00	1410300.00	1.215/200 kWh per kW
January 1,1978	1236.60	10458.00	64467.00	1289340.00	1.107/200 kWh per kW

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
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CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR LONDON

Effective: January 1,1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
Demand Charge:				
For 0-5000 kW:				
First 50 kW at nil cost	-	-	-	-
Rest at $ 3.50/kW	350.00	3325.00	17325.00	-
For 5001 kW and over:				
All at $ 9.70 per kW	-	-	-	970000.00
Energy Charge:				
For 0-5 000 kW:				
First 250 kWh at 6.95c per kWh	17.38	17.38	17.38	-
next 12250 kWh at 4.85c per kWh	594.13	594.13	594.13	-
next 2172500 kWh at 3.45c per kWh	603.75	13368.75	74951.25	-
Rest at 2.03c per kWh	0.00	0.00	18574.50	-
For 5001 kW and over: 2.03c per kWh	-	-	-	1258600.00
Total Energy	1215.25	13980.25	94137.25	1258600.00
TOTAL	1565.25	17305.25	111462.25	2228600.00

(1) 90% Power factor assumed

Source: London Public Commission: General Service Rates 0-5000 kW; Over 5000 kW

Date issued: October 1,1986
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MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR LONDON-HISTORICAL DATA

Billing Demand: Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
January 1,1986 *	1565.25	17305.25	111462.25	2232600.00	For 0-5 000 kW 2.030/2185000 For 5 001 kW and over 2.030/all
January 1,1985	1535.13	16905.13	107425.13	2148999.94	for 0-5 000 kW 1.69/2105000 for 5 001 kW and 1.95/all
January 1,1984	1414.63	15804.63	97783.38	1967799.94	for 0-5 000 kW 1.69/2012500 for 5 001 kW and over 1.69/all
January 1,1983	1263.75	14203.75	90867.25	1818399.94	for 0-5 000 kW 1.57/2195000 for 5 001 kW and over 1.57/all
January 1,1982	1173.25	13203.25	84203.25	1684000.00	for 0-5 000 kW 1.45/2180000 kWh for 5 001 kW and over 1.45/all
January 1,1981	1038.23	11403.23	77196.23	1543400.00	for 0-5 000 kW 1.32/2610000 kWh for 5 001 kW and over 1.32/all

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
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CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR SUDBURY

Effective: January 1,1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
Demand Charge:				
First 50 kW at nil cost	-	-	-	-
Rest at $ 4.50 per kW	450.00	4275.00	22275.00	449775.00
Energy Charge:				
First 250 kWh at 8.22c per kWh	20.55	20.55	20.55	20.55
next 12250 kWh at 4.63c per kWh	567.18	567.18	567.17	567.17
Rest at 3.83c per kWh	670.25	14841.25	118251.25	2374121.20
Total Energy	1257.97	15428.97	118838.97	2374708.93
TOTAL	1707.97	19703.97	141113.97	2824483.93

(1) 90% Power factor assumed

Source: Sudbury Hydro Electric Commission: General Service Rate

Date issued: October 1,1986
page: 657
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MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR SUDBURY-HISTORICAL DATA

Billing Demand: / Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
January 1,1986 *	1707.97	19703.97	141113.97	2824483.93	3.830/12500
January 1,1985	1778.95	19245.95	137015.95	2740205.97	3.71/12 500
January 1,1984	1689.43	18134.92	128604.92	2572004.95	3.45/12 500
January 1,1983	1533.63	16703.62	119253.63	2385003.63	3.25/10 000
January 1,1982	1445.98	15442.98	97501.00	2184202.98	2.91/10 000
February 1,1981	1351.75	14001.75	109212.98	1950001.75	2.50/10 000

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
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CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COSTS
FOR URBAN AND RURAL AREAS: ONTARIO HYDRO RETAIL RATES

effective: January 1,1986

	High Density		Low Density		Urban *	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
	($)		($)		($)	
First 750 kWh	12.20c/kWh	91.50	13.70c/kWh	102.75		
Rest	5.05c/kWh	12.63	5.05c/kWh	12.63		
Sub-Total		104.13		115.38		
Less Rural Rate discount first 750 kWh	3.98c/kWh	29.85		29.85		
TOTAL		74.28		85.53		51.82

* Urban rate = Average of residential costs for Ottawa, Toronto, London and Sudbury
Minimum charge of $18.75

Date issued: October 1,1986
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HISTORICAL RURAL RATES
FOR ONTARIO HYDRO

Effective Date	1000 kWh/Month ($)	Run Out Cents/Kwh/Over
January 1,1986 *	85.53 (1)	5.050/750
January 1,1984	55.60	4.46/250
February 15,1983	52.17	4.11/250
January 1,1982	47.93	3.79/250
January 1,1981	49.01	3.45/250
January 1,1980	43.95	3.06/250
January 1,1979	39.50	2.84/all

Rural = Rural R2 (Low Density) Rate

(1) Rural Rate excluding discount: $115.38

* Current Rates

Date issued: October 1.1986
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Taxes on Electricity Bills in Quebec

Effective: June 1982

	HEATING	LIGHTING	COOKING
	%	%	%
Residential	9	9	9
Commercial	9	9	9
Industrial	9	9	9

NOTES:

Provincial Sales Tax: 1981: 8% for all categories

Industrial sector tax is waived when used for the extraction and manufacturing of raw materials.

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR MONTREAL

effective: May 1,1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Fixed Charge $ 8.40	8.40	8.40	8.40	8.40	8.40
First 900 kWh at 3.32c/kWh	8.30	16.60	24.90	29.88	29.88
Rest at 3.91c/kWh	0.00	0.00	0.00	3.91	160.31
Sub-total	16.70	25.00	33.30	42.19	198.59
Add 9.00% Provincial Tax	1.50	2.25	3.00	3.80	17.87
TOTAL	18.20	27.25	36.30	45.99	216.46

NOTE: Calculation based on a 30-day month

Source: Hydro Quebec Domestic Schedule

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR MONTREAL-HISTORICAL DATA

		kWh Per Month					
		250	500	750	1000	5000	Run Out Cents/kWh/Over
				($)			
Effective:							
May 1,1986	*	18.20	27.25	36.30	45.99	216.46	3.910/900
May 1,1984		17.28	25.87	34.45	43.64	205.40	3.71/900
February 1,1984		16.78	25.11	33.45	42.40	200.23	3.62/900
January 1,1983		15.91	23.82	31.72	42.16	200.00	3.62/900
January 1,1982		14.88	22.24	29.59	37.68	184.61	3.37/900
January 1,1981		12.96	19.44	25.92	32.83	153.79	2.80/900
January 1,1980		11.45	17.39	23.34	29.59	137.59	2.50/900
January 1,1979		9.94	15.34	20.74	26.35	121.39	2.20/900
January 1,1978		8.75	13.61	18.47	23.44	105.52	1.90/900
January 1,1977		7.94	12.20	16.39	20.57	87.53	1.55/300
January 1,1976		7.59	11.45	15.23	19.01	74.49	1.40/300
July 1975		7.26	10.75	14.12	17.50	71.50	1.25/300
July 1974		6.70	9.83	12.80	15.77	63.29	1.10/750

* Current Rates

Date issued: October 1,1986
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CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR MONTREAL

Effective: May 1,1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
$ 3.93 per kW	393.00	3930.00
Energy Charge:		
First 120 kWh at 5.25c per kW	630.00	6300.00
next 78000 kWh at 3.21c per kWh	417.30	2503.80
Rest at 2.23c per kWh	0.00	6734.60
Subtotal	1440.30	19468.40
Plus 9% Provincial Tax	129.63	1752.16
TOTAL	1569.93	21220.56

(1) 90% Power factor assumed

Source: Hydro Quebec General Rate M, Medium Power

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR MONTREAL-HISTORICAL DATA

Billing Demand: (1) / Consumption/Month:		100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:				
May 1,1986	*	1569.93	21220.56	2.230/ 120 kWh per kW and 78000 kWh
May 1,1985		1490.90	20131.64	2.11/120 kWh per kW and 78000 kWh
February 1,1984		1454.17	19639.40	2.02/120 kWh per kW and 78000 kWh
January 1,1983		1374.49	18660.26	1.95/120 kWh per kW and 87000 kWh
January 1,1982		1280.75	17401.41	1.82/120 kWh per kW and 87000 kWh
January 1,1981		1105.38	14643.72	1.45/120 kWh per kW and 87000 kWh
January 1,1980		1034.64	13215.96	1.2/120 kWh per kW and 81000 kWh
January 1,1979		920.70	11018.16	0.85/120 kWh per kW and 66000 kWh
January 1,1978		804.60	9566.10	0.65/120 kWh per kW and 525000 kWh

* Current Rates
(1) 90% Power Factor Assumed

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CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR MONTREAL

Effective: May 1,1986

	LOW VOLTAGE MEDIUM POWER (2)		HIGH VOLTAGE LARGE POWER (3)	
Billing Demand: (1)	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
Demand Charge:				
For all kW:				
$ 3.93 per kW	589.50	3930.00	19650.00	393000.00
Energy Charge for 100 to 4999 kW: (2)				
5.25c per kWh for first 120 kWh/kW	945.00	6300.00	-	-
3.21c per kWh for next 78000 kWh	385.20	2503.80	-	-
2.23c per kWh for balance	0.00	4504.60	-	-
Energy Charge for 5000 kW and over: (3)				
4.04c per kWh for first 120 kWh/kW	-	-	24240.00	484800.00
2.23C per kWh for next 2400000 kWh	-	-	53520.00	53520.00
1.53C per kWh for balance	-	-	1530.00	728280.00
Sub-total	1919.70	17238.40	98940.00	1659600.00
Minus high voltage credit	N/A	N/A	5010.00	100200.00
TOTAL (4)	1919.70	17238.40	93930.00	1559400.00

The following credits are included:

Credits for voltage delivery

5 to 15 kV	49.3c/kW
15 to 50 kV	67.2c/kW
50 to 170 kV	77.4c/kW
80 to 170 kV	81.6c/kW
170 kV and more	105.6c/kW

(1) 90% Power factor assumed
(2) from 100 kW to 4999 kW * for large power only
(3) from 5000 kW and over
(4) the 9% prov. tax is waived for electricity used in the extraction or manufacture of raw materials (May 85)
Source: Hydro-Quebec, General Rates M and L

Date issued: October 1,1986
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MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR MONTREAL-HISTORICAL DATA

		LOW VOLTAGE MEDIUM POWER A		HIGH VOLTAGE LARGE POWER B	
Billing Demand:		150 kW or 167 kVA	1 000 kW or 1 111 kVA	5 000 kW or 5 556 kVA	100 000 kW or 111 111 kVA
Effective:		($)	($)	($)	($)
May 1,1986	*	1919.70	17238.40	93930.00	1559400.00
May 1,1985		1823.70	16359.40	88810.00	1475240.00
February 1,1984		1938.46	17394.00	99909.40	1680082.40
January 1,1983		1832.84	16534.76	94339.50	1588566.00
January 1,1982		1708.58	15417.61	88050.20	1477691.20
January 1,1981		1483.92	13077.72	78678.00	1332828.00
January 1,1980		1398.06	11919.96	69984.00	1150686.00
January 1,1979		1255.50	10100.16	58050.00	1030590.00
January 1,1978		1101.60	8756.10	48114.00	905904.00

Run Out
cents/kWh/over:

	1978	1979	1980	1981	1982	1983	1984
A	0.65c over 120 kWh/kW and 525 000 kWh	0.85c over 120 kWh/kW and 66 000 kWh	1.2c over 120 kWh and 81 000 kWh	1.45c over 120 kWh and 87 000 kWh	1.82c/120 kWh per kW and 87 000 kWh	1.95c/120 kWh per kW and 87000 kWh	2.06c/120 kWh per kW and 78000 kWh
B	0.60c over 120 kWh/kW and	0.65c over 120 kWh/kW and	0.75c over 120 kWh and	1.00c over 120 kWh and	1.25c/120 kWh per kW and	1.35c/120 kWh per kW and	1.42c/120 kWh per kW and

	1985	1986
A	2.11c/120 kWh per kW and 78000 kWh	2.23c/120 kWh per kW and 78000 kWh
B	1.45c/120 kWh per kW and 2400000 kWh	1.53c/120 kWh per kW and 2400000 kWh

* Current Rates
(1) 90% Power Factor Assumed

Taxes and Discounts on Electricity Bills in Newfoundland

Effective: January 1,1985

	HEATING	LIGHTING	COOKING
Residential			
Discount	-10% ($1.00 Max)	-10% ($1.00 Max)	10% ($1.00 Max)
Taxes	Nil	Nil	Nil
Commercial			
Discount 0-10kW Demand	10% ($1.00 Max)	10% ($1.00 Max)	10% ($1.00 Max)
10-100 kW Demand	25c/kW Demand	25c/kW Demand	25c/kW Demand
Demand of 100 kW and over	Nil	Nil	Nil
Taxes (before discount)	12%	12%	12%
Industrial			
Discount over 100 kW Demand	Nil	Nil	Nil
Taxes	12%	12%	12%

Sales Tax Changes

April 1968 - 7%. residential. commercial and industrial accounts
April 1974 - 8%. residential. commercial and industrial accounts
Nov. 1975 -10%. residential. commercial and industrial accounts
March 1978 -11%. tax removed from residential bills
April 1980 -11%

NOTES:

1. There are no prompt payment discounts for non-domestic customers with Rate No. 3.2

2. Electricity used in the manufacturing process is exempt from retail sales tax. This exemption is determined by the provincial government.

3. Newfoundland Light and Power costs shown now include the fuel adjustment charge which varies from month to month. A summary of the fuel adjustment charges applicable to date may be found on page 800A. This charge was incorporated into the notes as of January 1,1986

Date issued: October 1,1986
page: 800A
Superceded date: October 15,1985

NEWFOUNDLAND LIGHT & POWER CO. LIMITED
MONTHLY FUEL ADJUSTMENT APPLICABLE PER KILOWATT-HOUR FOR ALL RATES SHOWN FOR ST-JOHN'S

MONTH	1977	1978	1979	1980	1981	1982	1983	1984	1985
January	0.007c	0.163c	0.363c	0.485c	-	0.162c	0.597c	0.903c	1.836c
February	0.059c	0.083c	0.352c	0.365c	0.320c	0.277c	0.542c	1.070c	1.876c
March	0.075c	0.065c	0.278c	0.305c	0.102c	0.457c	0.421c	0.638c	1.500c
April	0.068c	0.076c	0.206c	0.118c	0.199c	0.568c	0.451c	0.560c	1.500c
May	0.053c	0.027c	0.064c	0.118c	0.049c	0.550c	0.206c	0.665c	1.500c
June	0.040c	0.007c	0.078c	-	0.011c	0.170c	0.080c	0.494c	1.410c
July	0.014c	0.007c	0.082c	-	0.010c	0.316c	0.047c	0.122c	0.982c
August	0.001c	0.050c	0.159c	-	0.060c	0.101c	0.234c	-	0.902c
September	0.003c	0.177c	0.504c	-	0.282c	0.042c	0.097c	0.009c	0.661c
October	0.005c	0.270c	0.564c	-	0.291c	0.519c	0.070c	-	0.567c
November	0.013c	0.383c	0.656c	-	0.043c	0.607c	0.097c	0.434c	1.364c
December	0.104c	0.412c	0.563c	-	0.119c	0.554c	0.680c	1.100c	1.201c

N.B. The monthly fuel adjustment charge is now incorporated into the schedule of rates as of January 1,1986.

Date issued: October 1.1986
page: 801
Superceded date: October 15.1985

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR ST. JOHN'S

effective: January 1.1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service charge (min. bill)	10.00	10.00	10.00	10.00	10.00
All kWh at 6.101c per kWh	15.25	30.51	45.76	61.01	305.05
Sub-total	25.25	40.50	55.76	71.01	315.05
Maximum Discount $ 1.00	1.00	1.00	1.00	1.00	1.00
TOTAL	24.25	39.50	54.76	70.01	314.05

NOTE: This rate is subject to the Rate Stabilization Clause which is already included in the Schedule of Rates as of Jan. 1.1986

Source: Newfoundland Light and Power Co. Limited. Domestic Rate 1.1

Date issued: October 1.1986
page: 802
Superceded date: October 15.1985

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR ST.JOHN'S-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
January 1.1986 *	24.25	39.50	54.76	70.01	314.05	6.101/all
July 1.1983	22.75	37.01	51.26	65.52	293.60	4.72/all
January 1.1983	19.94	32.39	44.83	57.27	256.35	4.38/all
December 1.1981	17.91	29.06	40.22	51.37	221.85	4.10/1000
October 1.1981	16.35	27.71	39.06	49.41	211.05	3.75/800
November 1.1980	15.25	25.50	34.55	42.80	174.80	3.30/600
April 1.1980	15.39	26.05	34.69	43.32	181.52	3.15/440
October 1.1979	14.53	23.31	30.20	37.08	147.24	2.754/380
July 1.1978	13.45	21.58	27.96	34.33	136.33	2.55/380
March 17.1978	12.68	19.53	25.35	31.17	124.31	2.328/315
July 16.1977	11.71	18.03	23.40	28.78	114.78	2.15/315
August 1.1976	10.51	16.35	21.35	26.35	106.35	2.00/315
November 1.1975**	9.20	13.75	18.30	22.84	95.60	1.819/215
October 1.1975**	9.05	13.53	18.00	22.47	94.04	1.789/215
September 1.1975	8.95	13.29	17.69	22.09	92.47	1.760/215
August 1.1975	8.79	13.07	17.40	21.72	90.91	1.730/215
April 1.1975	7.99	11.62	15.49	19.38	81.48	1.553/215

* Current Rates

** Cost of Service Adjustment

CALCULATION OF MONTHLY COMMERCIAL (NOT ALL-ELECTRIC)
ELECTRICITY COSTS FOR ST. JOHN'S

Effective: Jan. 1,1986

Billing Demand (1):	100 kW or 111 kVA		1 000 kW or 1111 kVA	
Consumption/Month:	25 000 kWh		500 000 kWh	
	($)		($)	
N.B. : Billing rate is as below or $0.165/kWh, whichever is less (2)				
Demand Charge:				
10-99 kW at $5.25 per kVA	-		-	
100 kW and over at $4.70 per kVA	521.70		5221.70	
Energy Charge:				
For 10-99 kW:				
First 150 kWh per kW at 6.198c/kWh	-		-	
Excess at 4.458c per kWh	-		-	
For 100 kW and over:				
First 150 kWh per kVA up to maximum of 40000 KWH at 5.388c per kWh	897.10		2155.20	
Excess at 4.198c per kWh	350.53		19310.80	
Sub-total (Sub-total @16.5c/kWh)	1769.34	(4125.00)	26687.70	(82500.00)
Plus 12% Provincial Tax	212.32		3202.52	
TOTAL	1981.66		29890.22	

(1) 90% Power factor assumed
(2) Rate of 16.5c/kWh is only beneficial for seasonal businesses
Source: Newfoundland Light & Power, Rates 2.2 & 2.3
* Information on exemptions from sales tax is available from utility

Date issued: October 1.1986
page: 826
Superceded date: October 15.1985

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR ST. JOHN'S-HISTORICAL DATA

Billing Demand: (1) Consumption/Month:		100 kW or 111 kVA 25 000 kWh	1 000 kW or 1111 kVA 500 000 kWh	Run Out Cent/kWh/Over
		($)	($)	($)
Effective:				
Jan. 1.1986	*	1981.66	29890.22	For 10-99 kVA 4.458/150 For 100 KW and over: 4.198/40000
July 1.1985		1876.39	27938.46	for 10-99 kVA 3.2/150 kWh/kW for 100 kW and over: 2.9/40000
January 1.1983		1703.24	23569.90	for 10-99 kW: 3.5/150 kWh per kW for 100 kW and over: 3.6/40000
December 1.1981		1490.29	20020.24	for 10-99 kW: 3.0/150 kWh per kW for 100 kW and over: 2.5/40000
October 1.1981		1436.76	20226.42	2.5/52500
November 1980		1318.94	17311.23	2.1
September 1980		-	16941.21	1.961
April 1980		1318.88	16415.90	1.9
October 18. 1979		1248.02	15686.60	1.836
July 1978		1124.33	14132.07	1.7

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1.1986
page: 827
Superceded date: October 15.1985

CALCULATION OF MONTHLY COMMERCIAL (ALL ELECTRIC)
ELECTRICITY COSTS FOR ST. JOHN'S

Effective: January 1.1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
N.B. : Billing rate is as below or $0.165/kWh. whichever is less		
Demand Charge:		
All at $ 4.70 per kVA	521.70	5221.70
Energy Charge:		
First 150 kWh per kVA to maximum 40000 kWh at 5.388c per kWh	897.10	2155.20
Rest at 4.198c per kWh	350.53	19310.80
Sub-total (Sub-total @$0.165/kWh)	1769.34 (4125.00)	26687.70 (82500.00)
Plus 12% provincial tax	212.32	3202.52
TOTAL	1981.66	29890.22

(1) 90% Power factor assumed
(2) Rate of 16.5c/kWh is only beneficial for seasonal businesses
Source: Newfoundland Light & Power Co. General Service Schedule 3.3

MONTHLY COMMERCIAL (ALL ELECTRIC) ELECTRICITY COSTS FOR ST. JOHN'S
HISTORICAL DATA

Billing Demand: (1) Consumption/Month:	100 kW or 111 kVA 25 000 kWh	1 000 kW or 1111 kVA 500 000 kWh	Run Out Cent/kWh/Over
	($)	($)	($)
Effective:			
January 1,1986 *	1981.66	29890.22	5.180/40000
July 1,1985	1979.04	29521.41	4.182/40000
January 1,1983	1739.00	23713.03	3.247/40000
December 1,1981	1490.29	20020.24	2.662/40000
October 1,1981	1427.52	19791.02	2.791/22000
November 1980	1250.55	16053.65	2.1/22000
September 1980	1244.74	15157.63	1.961/16000
April 1980	1206.14	14687.63	1.9/16000
October 18, 1979	1066.93	14010.68	1.836
July 1978	961.20	12622.23	1.7

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 850
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL (NOT ALL ELECTRIC) ELECTRICITY COSTS FOR ST. JOHN'S

Effective: January 1,1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
N.B. : Billing rate is as below or $0.165/kWh, whichever is less (2)				
Demand Charge:				
For 100 KW and over:				
All at $ 4.70 per kVA	784.90	5221.70	26113.20	522221.69
Energy Charge:				
For 100 kW and over:				
First 150 kWh per kVA to maximum				
40000 kWh at 5.388c per kWh	1349.69	2155.20	2155.20	2155.20
Rest at 4.198c per kWh	207.80	15112.80	128458.80	2601080.77
Sub-total	2342.40	22489.70	156727.20	3125457.66
Plus 12% provincial tax	281.09	2698.76	18807.26	375054.92
TOTAL	2623.48	25188.46	175534.46	3500512.58

(1) 90% Power factor assumed

(2) Rate at 16.5c/kWh only beneficial for seasonal businesses

Source: Newfoundland Light & Power Co. General Service Schedule 2.3

Date issued: October 1.1986
page: 851
Superceded date: October 15.1985

MONTHLY INDUSTRIAL (NOT ALL ELECTRIC) ELECTRICITY COSTS FOR ST. JOHN'S - HISTORICAL DATA

Billing Demand: / Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
January 1.1986 *	2623.48	25188.46	175534.46	3500512.58	For 100 kW and over: 5.180/40000 kWh
July 1.1985	2492.06	23590.62	163634.02	3262420.14	For 100 kW and over 3.882/40000 kWh
January 1.1983	2289.95	19989.26	136829.06	2724623.50	For 100 kW and over 3.197/40000 kWh
December 1.1981	2017.20	17065.42	115347.87	2295109.54	For 100 kW and over 2.662/40000 kWh
October 1.1981	1925.77	17128.41	116810.02	2322327.57	For 100 kVA and over: 2.791/52500 kWh
November 1980	1806.89	14980.28	93952.62	-	2.1
September 1980		14764.72	89314.59	-	1.961
April 1.1980	1823.71	14306.90	86545.15	-	1.9
October 18.1979	1722.50	13648.64	83327.39	-	1.836
July 1978	1 55	12296.07	75069.72	-	1.7

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 852
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL (ALL ELECTRIC) ELECTRICITY COSTS FOR ST. JOHN'S

Effective: Januarv 1,1986

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
N.B. :Billing rate is as below or $0.165/kWh. whichever is less (2)				
Demand Charge:				
All at $ 4.70 per kVA	784.90	5221.70	26113.20	522221.69
Energy Charge:				
First 150 kWh per kVA to maximum 40000 kWh at 5.388c per kWh	1349.69	2155.20	2155.20	2155.20
Rest at 4.198c per kWh	207.80	15112.80	128458.80	2601080.77
Sub-total	2342.40	22489.70	156727.20	3125457.66
Plus 12% provincial tax	281.09	2698.76	18807.26	375054.92
TOTAL	2623.48	25188.46	175534.46	3500512.58

(1) 90% Power factor assumed

(2) Rate of 16.5c/kWh is beneficial only for seasonal businesses

Source: Newfoundland Light & Power Co. General Service Schedule 3.3

Date issued: October 1,1986
page: 853
Superceded date: October 15,1985

MONTHLY INDUSTRIAL (ALL ELECTRIC) ELECTRICITY COSTS FOR ST. JOHN'S - HISTORICAL DATA

Billing Demand: / Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
January 1,1986 *	2623.48	25188.46	175534.46	3500512.58	5.180/40000 kWh
July 1,1985	2620.91	24837.57	173206.21	3452163.05	4.182/40000
January 1,1983	2339.49	20076.39	137432.51	2734566.63	3.147/40000
December 1,1981	2017.20	17065.42	115347.87	2295109.54	2.662/40000
November 1980	1704.01	13722.65	92694.99	-	2.1/22000
September 1980	1623.72	12981.15	87531.02	-	1.961
April 1,1980	1573.37	12578.63	84816.88	-	1.9
October 16,1979	1370.23	11972.72	81651.47	-	1.836
July 1978	1234.44	10786.23	73559.88	-	1.7

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR URBAN AND RURAL AREAS: NEWFOUNDLAND LIGHT AND POWER CO. LIMITED

effective: Januarv 1.1986

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
		($)		($)
Service Charge			$10.00	10.00
All kWh			6.10c/kWh	61.01
Sub-total				71.01
Maximum discount $ 1.00			$ 1.00	1.00
TOTAL		70.01(1)		70.01

Note: The fuel adjustment charge varies from month to month
The charge applicable to date may be obtained from the utility
(1) See page 801 for rate structure

Source: Newfoundland Light and Power Co. Limited Domestic Rate 1.1

Date issued: October 1,1986
page: 900
Superceded date: October 15,1985

Taxes on Electricity Bills in New Brunswick

	HEATING	LIGHTING	COOKING
Residential	----------	Exempt	----------
Commercial	----------	Exempt	----------
Industrial	----------	Exempt	----------

NOTES:

Property Tax on Utility Transmission system incorporated in the structure as at April 1/77. The New Brunswick Electric Power Commission no longer has a fuel adjustment. This was incorporated into the rate stucture effective April 12, 1979.

Date issued: October 1.1986
page: 901
Superceded date: October 15.1985

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR FREDERICTON

effective: April 1.1985

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service charge	9.40	9.40	9.40	9.40	9.40
First 800 kWh at 5.82c/kWh	14.55	29.10	43.65	46.56	46.56
Rest at 4.72c/kWh	0.00	0.00	0.00	9.44	198.24
TOTAL	23.95	38.50	53.05	65.40	254.20

Source: New Brunswick Electric Power Commission RSP III A.1 page 1

Date issued: October 1,1986
page: 902
Superceded date: October 15,1985

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR FREDERICTON-HISTORICAL DATA

		kWh Per Month					
		250	500	750	1000	5000	Run Out Cents/kWh/Over
				($)			
Effective:							
April 1,1985	*	23.95	38.50	53.05	65.40	254.20	4.720/800
April 10,1984		23.25	37.37	50.70	60.88	223.68	4.07/700
April 14,1983		21.93	35.25	47.83	57.43	211.03	3.84/700
May 25,1981		20.15	32.40	43.97	52.79	193.99	3.53/700
May 23,1980		18.20	29.50	40.22	48.62	183.02	3.36/700
April 12,1979		16.50	27.00	36.00	45.00	173.00	3.20/700
May 1,1978		12.75	21.50	29.83	36.95	142.45	2.65/700
April 1,1977		9.83	17.56	24.90	30.63	122.35	1.8/700
April 1,1976		7.97	14.22	20.05	24.66	98.42	1.6/700
July 1975		6.98	12.40	17.46	21.42	84.94	1.43/700
July 1974		6.38	11.35	15.98	19.60	77.60	1.30/700

Fuel adjustment		
	July 1979	0.150c/kWh
	May 1978	0.000c/kWh
	April 1976	0.244c/kWh
	July 1975	0.158c/kWh

* Current Rates

Date issued: October 1,1986
page: 903
Superceded date: October 15,1985

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR SAINT JOHN, N.B.

effective: April 1,1985

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge	6.67	6.67	6.67	6.67	6.67
First 700 kWh at 6.23c/kWh	15.58	31.15	43.61	43.61	43.61
Rest at 4.74c/kWh	0.00	0.00	2.37	14.22	203.82
Sub-total	22.24	37.82	52.65	64.50	254.10
Less 10% prompt payment discount	2.22	3.78	5.27	6.45	25.41
TOTAL	20.02	34.04	47.38	58.05	228.69

Source: Power Commission City of Saint John: Residential Rate

Date issued: October 1.1986
page: 904
Superceded date: October 15,1985

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR SAINT JOHN, N.B.
-HISTORICAL DATA

		KWh Per Month					
		250	500	750	1000	5000	Run Out Cents/kWh/Over
				($)			
Effective:							
April 1.1985	*	20.02	34.04	47.38	58.05	228.69	4.74/700
April 1.1984		19.09	32.45	45.18	55.35	218.07	4.52/700
April 1.1983		18.00	30.60	42.66	52.56	210.96	4.40/700
May 1.1981		16.65	28.35	39.55	48.78	196.38	4.10/700

* Current Rates

CALCULATION OF MONTHLY COMMERCIAL (NOT ALL ELECTRIC)
ELECTRICITY COSTS FOR FREDERICTON

Effective: April 1.1985

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Service Charge	9.40	9.40
Demand Charge:		
First 20 kW at nil cost	-	-
Rest at $ 7.23 per kW	578.40	7085.40
Energy Charge:		
First 5000 kWh at 8.29c per kWh	414.50	414.50
Rest at 5.02c per kWh	1004.00	24849.00
TOTAL	2006.30	32358.30

(1) 90% Power factor assumed

Source: New Brunswick Electric Power Commission:
General Service Rate III-B-1

Date issued: October 1,1986
page: 926
Superceded date: October 15,1985

MONTHLY COMMERCIAL (NOT ALL ELECTRIC) ELECTRICITY COSTS FOR FREDERICTON-HISTORICAL DATA

Billing Demand: (1) Consumption/Month:		35 kW 10000 kWh	100 kW 25 000 kWh	1 000 kW 500 000 kWh	Run Out Cent/kWh/Over
			($)	($)	
Effective:					
April 1,1985	*	-	2006.30	32358.30	5.02/5000 kWh
April 10,1984		-	1948.12	31568.12	4.90/5000
April 14,1983		-	1865.70	30331.20	4.71/5000
May 25,1981		-	1719.40	27959.40	4.34/5000
May 23,1980		601.70	1576.50	25819.50	4.02/5000
April 12,1979		-	1471.10	24098.60	3.75/5000
May 1,1978		-	1229.00	19799.00	3.00/5000

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 927
Superceded date: October 15,1985

CALCULATION OF MONTHLY COMMERCIAL (ALL ELECTRIC)
ELECTRICITY COSTS FOR FREDERICTON

Effective: April 1,1985

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Service Charge	9.40	9.40
Energy Charge:		
First 5000 kWh at 8.29c per kWh	414.50	414.50
next 5000 kWh at 5.98c per kWh	299.00	299.00
Rest at 5.65c per kWh	847.50	27685.00
TOTAL	1570.40	28407.90

(1) 90% Power factor assumed

Source: New Brunswick Electric Power Commission:
General Service All Electric Rate

Date issued: October 1,1986
page: 928
Superceded date: October 15,1985

MONTHLY COMMERCIAL (ALL ELECTRIC) ELECTRICITY COSTS FOR
FREDERICTON-HISTORICAL DATA

Billing Demand: (1)		35 kW or 38 kVA	100 kW or 111 kVA	1 000 kW or 1111 kVA	
Consumption/Month:		10000 kWh	25 000 kWh	500 000 kWh	Run Out Cent/kWh/Over
		($)	($)		
Effective:					
April 1,1985	*	-	1570.40	28407.90	5.65/10000 kWh
April 1,1984		-	1497.62	27100.12	5.39/10000
April 14,1983		-	1413.60	25543.60	5.08/10000
May 25,1981		598.90	1294.90	23334.90	4.64/10000

* Current Rates

(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 929
Superceded date: October 15,1985

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR ST JOHN

Effective: April 1,1985

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
For 100 kW and over:		
All at $ 4.35 kW	435.00	4350.00
Energy Charge:		
For 100 kW and over:		
First 100 kWh per kW at 8.38c per kWh	838.00	8380.00
Rest at 5.68c per kWh	852.00	22720.00
Subtotal	2125.00	35450.00
Less 10% Prompt payment discount	212.50	3545.00
TOTAL	1912.50	31905.00

(1) 90% Power factor assumed

Source: Power Commission City of St. John:
General Service Class III Rate Schedule

Date issued: October 1.1986
page: 930
Superceded date: October 15,1985

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR ST. JOHN-HISTORICAL DATA

Billing Demand: (1) / Consumption/Month:		100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:				
April 1.1985	*	1912.50	31905.00	For 100 kW and over 5.680/ 100 kWh per kW
April 1.1984		1836.00	30735.00	for 100 kW and over 5.50/100 kWh per kW
April 14.1983		1738.80	29178.00	for 100 kW and over 5.24/100 kWh per kW
May 1.1981		1518.75	24705.00	for 100 kW and over 4.23/100 kWh per kW

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1.1986
page: 950
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR FREDERICTON

Effective: April 1,1984

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3 100 000 kWh	62 000 000 kWh
	($)	($)	($)	($)
Demand Charge:				
For 5 - 749 kW:				
All at $ 3.92 per kW	588.00	-	-	-
For 750 kW and over:				
first 2500 kW at $ 7.97 per kW	-	7970.00	19925.00	19925.00
Next 5000 kW at $ 7.77 per kW	-	0.00	19425.00	38850.00
Rest at $ 7.27 per kW	-	0.00	0.00	672475.00
Energy Charge:				
For 5 - 749 kW:				
First 100 kWh per kW at 7.55c per kWh	1132.50	-	-	-
Rest at 3.55c per kWh	532.50	-	-	-
For 750 kW and over:				
First 900000 kWh at 3.12c per kWh	-	12480.00	28080.00	28080.00
Next 1800000 kWh at 2.97c per kWh	-	0.00	53460.00	53460.00
Rest at 2.66c per kWh	-	0.00	10640.00	1577380.05
TOTAL	2253.00	20450.00	131530.00	2390170.05

(1) 90% Power factor assumed

Source: New Brunswick Electric Power Commission, Small and Large Industrial Power Rates

Date issued: October 1,1986
page: 951
Superceded date: October 15,1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR FREDERICTON - HISTORICAL DATA

Billing Demand: Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
April 1,1984 *	2253.00	20450.00	131530.00	2390170.05	For 5-749 KW: 3.550/ 100 kWh For 750 kW and over 2.660/2700000 kWh
April 10,1984	2148.00	19480.00	125355.00	2280964.98	for 5-749 kW: 3.38/100 kWh/kW for 750 kW and over 2.54/2700000 kWh
April 14,1983	2026.50	18450.00	118085.00	2148459.94	for 5-749 kW: 3.19/100 kWh/kW for 750 kW and over 2.35/2700000 kWh
May 1,1981	1861.50	16970.00	108590.00	1974705.00	for 5-999 kW: 2.930/100 kWh/kW for 1000 kW and over: 2.160/2700000 kWh
May 23,1980	1683.00	15350.00	98200.00	1783525.00	Min 5KW: 2.65/100 kWh/kW Min 750: 1.95/2700000
April 12,1979	1554.00	14970.00	92415.00	1639715.00	Min 5kW: 2.48c per kWh/ 100 kWh per kW Min 750 kW: 1.85c per kWh/2700000
May 1978	1249.50	11830.00	70410.00	1233400.00	Min 5 kW: 2.01/100 kWh/kW Min 750 kW: 1.79/all Min 5000 kW: 1.56/all Min 15000 kW: 1.32/all

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 952
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR SAINT JOHN

Effective: April 1,1985

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3 100 000 kWh	62 000 000 kWh
	($)	($)	($)	($)
Demand Charge:				
For 5 - 749 kW:				
All at $ 4.35 per kW	652.50	-	-	-
For 750 and over:				
All at $ 8.85 per kW	-	8850.00	44250.00	885000.00
Energy Charge:				
For 5 - 749 kW				
First 100 kWh per kW at 8.38c per kWh	1257.00	-	-	-
Rest at $ 3.94 per kWh	591.00	-	-	-
For 750 kW and over				
All at 3.36c per kWh	-	13440.00	104160.00	2083199.95
Sub-total	2500.50	22290.00	148410.00	2968199.95
Less 10% prompt payment discount	250.05	2229.00	14841.00	296819.99
TOTAL	2250.45	20061.00	133569.00	2671379.95

(1) 90% Power factor assumed

Source: Power Commission, City of Saint John: Industrial Service Rate Schedule Class I & II

Date issued: October 1,1986
page: 953
Superceded date: October 15,1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR ST. JOHN - HISTORICAL DATA

Billing Demand: Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
April 1,1985 *	2250.45	20061.00	133569.00	2671379.95	For 5-749 kW: 3.94/ 100 KWh per kW For 750 kW and over: 3.36/ 100 KWh per kW
April 1,1984	2146.50	19476.00	130050.00	2601000.03	for 5-749 kW: 3.75/100 kWh/kW for 750 and over: 3.30/100 kWh/kW
April 1,1983	2251.50	18351.00	122840.99	2456819.94	for 5-749 kW: 3.55/100 kWh/kW for 750 and over: 3.14/100 kWh/kW
May 1,1981	1861.65	16875.00	112986.00	2259720.00	for 5-749 kW: 3.26/100 kWh/kW for 750 kW and over: 2.89/100 kWh per kW

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COSTS
FOR URBAN AND RURAL AREAS: NEW BRUNSWICK ELECTRIC POWER COMMISSIOI

effective: April 1,1985

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
	($)		($)	
Service Charge			$10.60	10.60
First 700 kWh			5.82c/kWh	40.74
rest			4.27c/kWh	12.81
TOTAL		65.40 *		64.15

Source: New Brunswick Electric Power Commission, Residential Rate: Rural

* See page 901

Date issued: October 1,1986
page: 976
Superceded date: October 15,1985

HISTORICAL RURAL RATES
FOR NEW BRUNSWICK ELECTRIC
POWER COMMISSION

Effective Date	1000 kWh/Month ($)	Run Out Cents/Kwh/Over
April 1,1985 *	64.15	4.2700/700
April 14,1983	58.53	3.84/700
May 25,1981	53.79	3.53/700
May 23,1980	49.62	3.36/700
April 1,1979	46.00	3.2/700

* Current Rates

Date issued: October 1.1986
page: 1000
Superceded date: October 15.1985

Taxes on Electricity Bills in Nova Scotia

	HEATING	LIGHTING	COOKING
	$	$	$
April 1.1983 Residential	0.50	0.50	0.50

Commercial & Industrial

SIZE OF LOAD DEMAND OR CONNECTED (kW)	AMOUNT OF TAX ($)
0 - 5 Inclusive	1.00
5.1 - 10	2.00
10.1 - 15	3.00
15.1 - 20	4.00
20.1 - 25	5.00
25.1 - 30	6.00
30.1 - 35	7.00
35.1 - 40	8.00
40.1 - 45	9.00
45.1 - 50	10.00
50.1 - 55	11.00
55.1 - 60	12.00
60.1 - 65	13.00
65.1 - 70	14.00
70.1 - 75	15.00
75.1 - 80	16.00
80.1 - 85	17.00
85.1 - 90	18.00
90.1 - 95	19.00
95.1 - 100	20.00
100.1 - 105	21.00
105.1 - 110	22.00
110.1 - 115	23.00
115.1 - 120	24.00
120.1 - 125	25.00
125.1 - 130	26.00
130.1 - 135	27.00
135.1 - 140	28.00
140.1 - 145	29.00

NOTES: Health Service Taxes

Date issued: October 1,1986
page: 1001
Superceded date: October 15,1985

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR HALIFAX

effective: July 1,1983

	kWh Per Month				
	250	500	750	1000	5000
	($)				
Base Charge $6.64	6.64	6.64	6.64	6.64	6.64
First 200 kWh at 7.18c per kwh	14.36	14.36	14.36	14.36	14.36
Next 500 kWh at 6.46c per kWh	3.23	19.38	32.30	32.30	32.30
Rest at 6.27c per kWh	0.00	0.00	3.14	18.81	269.61
Subtotal	24.23	40.38	56.43	72.11	322.91
Health service tax $0.50	0.50	0.50	0.50	0.50	0.50
TOTAL	24.73	40.88	56.93	72.61	323.41

N.B. : Provincial assistance ended April 1,1986

Source: Nova Scotia Power Corporation: Domestic Rate, Page 4

Date issued: October 1.1986
page: 1002
Superceded date: October 15,1985

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR HALIFAX-HISTORICAL DATA

		KWh Per Month					
		250	500	750	1000	5000	Run Out Cents/kWh/Over
				($)			
Effective:							
July 1,1983	*(2)	24.73	40.88	56.93	72.61	323.41	6.270/700
July 1.1983	(1)	22.41	37.02	51.54	65.72	292.54	6.27/700
April 1.1983	(1)	21.52	35.53	49.46	63.05	280.62	5.76/700
April 1.1983	(2)	24.63	40.31	56.17	72.57	338.37	6.64/700
January 1,1983	(1)	19.50	32.35	45.13	57.60	257.20	4.99/700
January 1,1983	(2)	22.03	36.38	50.65	64.57	287.37	5.57/700
June 18.1979	(1)	17.16	27.36	37.88	49.65	238.05	4.71/700
June 18.1979	(2)	18.70	30.82	42.88	54.65	243.05	4.71/700
August 1978	(2)	15.00	23.75	32.83	43.20	209.20	4.15/700
March 2,1977		15.00	23.75	32.38	40.50	170.50	3.25/700
October 1.1975		10.31	16.12	N/A	27.74	124.19	2.4738/2667
July 1975		N/A	14.16	N/A	23.81	104.57	N/A
July 1974		N/A	10.60	N/A	16.60	70.50	N/A

* Current Rates

(1) subsidized
(2) unsubsidized
N/A - not available

CALCULATION OF MONTHLY COMMERCIAL (NOT ALL ELECTRIC) ELECTRICITY COSTS FOR HALIFAX

Effective: July 1,1983

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
For 1 - 3999 kW: All at $ 5.95 kW	595.00	5950.00
Energy Charge:		
For 1 - 3999 kW:		
First 100 kWh per kW at 9.37c per kWh	937.00	9370.00
Rest at 4.73c per kWh	709.50	18920.00
Subtotal	2241.50	34240.00
Plus Health Service Tax	20.00	30.00
TOTAL	2261.50	34270.00

(1) 90% Power factor assumed

Note: Restricted Rate Availability.
Source: Nova Scotia Power Corporation: General All Electric Rate 14

Date issued: October 1,1986
page: 1026
Superceded date: October 15,1985

CALCULATION OF MONTHLY COMMERCIAL (ALL ELECTRIC) ELECTRICITY COSTS FOR HALIFAX

Effective: July 1,1983

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
For 1 - 3999 kW: All at $ 6.01 kW	601.00	6010.00
Energy Charge:		
For 1 - 3999 kW: at 8.85c per kWh	885.00	8850.00
Rest at 4.46c per kWh	669.00	17840.00
Subtotal	2155.00	32700.00
Plus Health Sesrvice Tax	20.00	30.00
TOTAL	2175.00	32730.00

(1) 90% Power factor assumed

Source: Nova Scotia Power Corporation: General All Electric Rate 14

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR HALIFAX
UNSUBSIDIZED - HISTORICAL DATA

Billing Demand: (2)		100 kW or 111 kVA	1 000 kW or 1111 kVA	
Consumption/Month:		25 000 kWh	500 000 kWh	Run Out Cent/kWh/Over
		($)	($)	
Effective:				
July 1,1983	* (1)	2175.00	32730.00	4.460/ 100 kWh per kW
July 1,1983	*	2261.50	34270.00	4.730/ 100 kWh per kW
April 1,1983		2261.50	34270.00	4.73/100 kWh per kW
April 1,1983	(1)	2175.00	32730.00	4.46/100 kWh per kW
January 1,1983		2012.00	30450.00	4.20/100 kWh per kW
January 1,1983	(1)	1935.00	29080.00	3.96/100 kWh per kW
June 18,1979		1703.50	25740.00	3.55/100 kWh per kW
June 18,1979	(1)	1638.50	24590.00	3.35/100 kWh per kW

* Current Rates
(1) All electric
(2) 90% Power Factor Assumed

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR HALIFAX
SUBSIDIZED - HISTORICAL DATA

Billing Demand: (2) / Consumption/Month:		100 kW or 111 kVA 25 000 kWh ($)	1 000 kW or 1111 kVA 500 000 kWh ($)	Run Out Cent/kWh/Over
Effective:				
July 1,1983		2047.21	30996.66	4.73/100 kWh per kW
July 1,1983	(1)	1968.98	29603.88	4.46/100 kWh per kW
April 1,1983		1964.50	29733.20	4.10/100 kWh per kW
April 1,1983	(1)	1889.46	28397.27	3.87/100 kWh per kW
January 1,1983		1804.00	27270.00	3.76/100 kWh per kW
January 1,1983	(1)	1736.50	26070.00	3.55/100 kWh per kW
June 18,1979		1607.75	23820.00	3.165/100 kWh per kW
June 18,1979	(1)	1542.75	22670.00	2.965/100 kWh per kW
August 1978		1429.75	21090.00	2.785/100 kWh per kW

* Current Rates
(1) All electric
(2) 90% Power Factor Assumed
N.B. : Provincial assistance ended April 1,1986

Date issued: October 1,1986
page: 1050
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR HALIFAX

Effective: July 1,1983

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1111 kVA	5000 kW or 5556 kVA	100000 kW or 111111 kVA
Consumption/Month:	30 000 kWh	400 000 kWh	3100000kWh	62000000 kWh
	($)	($)	($)	($)
Demand Charge:				
For up to 249 kVA:$ 4.50 per kVA	751.50	-	-	-
For 250 - 3999 kVA:$ 6.70 per kVA	-	7443.70	-	-
For 4000 kVA and over:$ 6.03 per kVA	-	-	33502.68	669999.38
Energy Charge:				
For up to 249 kVA: First 100 kWh per kVA at 9.45c per kWh	1578.15	-	-	-
Rest at 4.75c per kWh	631.75	-	-	-
For 250 - 3999 kVA: 3.97c per kWh	-	15880.00	-	-
For 4000 kVA and over: 3.71c per kWh	-	-	115010.00	2300200.00
Sub-total	2961.40	23323.70	148512.68	2970199.38
Health Tax	30.00	30.00	30.00	30.00
TOTAL	2991.40	23353.70	148542.68	2970229.38

(1) 90% Power factor assumed

Source: Nova Scotia Power Corporation Industrial Rates

Date issued: October 1,1986
page: 1051
Superceded date: October 15,1985

MONTHLY INDUSTRIAL (UNSUBSIDIZED) ELECTRICITY COSTS FOR HALIFAX - HISTORICAL DATA

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1 111 kVA	5 000 kW or 5 556 kVA	100 000 kW or 111 111 kVA	Run Out
Consumption/Month:	30 000 kWh	400 000 kWh	3 100 000 kWh	62 000 000 kWh	Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
July 1,1983 *	2991.40	23353.70	148542.66	2970229.38	For 0-249 kVA: 4.75/ 100 KWh per kVA For 250 - 3999 kVA: 3.97/All KWh per kVA For 4000 kVA and over 3.71/All KWh per kVA
April 1,1983	2991.40	22330.14	148542.68	2970229.33	For 0 - 249 kVA 4.750/100 kWh per kVA For 250 - 3999 kVA 3.970/all For 4000 and over 3.30/all
January 1,1983	2662.06	19851.56	132110.16	2641585.00	For 0 - 249 kVA 4.220/100 kWh per kVA For 250 - 3999 kVA 3.530/all For 4000 and over 3.30/all

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 1052
Superceded date: October 15,1985

MONTHLY INDUSTRIAL (SUBSIDIZED) ELECTRICITY COSTS FOR HALIFAX - HISTORICAL DATA

Billing Demand: Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
July 1,1983	2708.29	21134.00	134344.87	2686278.30	For 0 - 249 kVA 4.75/100 kWh per kVA For 250 - 3999 kVA 3.97/all For 4000 and over 3.71/all
April 1,1983	2599.01	20272.95	128864.75	2576677.92	For 0 - 249 kVA 4.12/100 kWh per kVA For 250 - 3999 kVA 3.44/all For 4000 and over 3.22/all
January 1,1983	2388.11	18602.74	118458.80	2368562.80	For 0 - 249 kVA 3.78/100 kWh per kVA For 250 - 3999 kVA 3.15/all For 4000 and over 2.96/all
June 18,1979	2145.32	16440.57	104074.74	2080885.07	For 0 - 249 kVA 3.185/100 kWh per kVA For 250 - 3999 kVA 2.750/all For 4000 and over 2.565/all

* Current Rates
(1) 90% Power Factor Assumed
N.B. :Provincial assistance ended April 1,1986

Date issued: October 15.1983
page: 1053
Superceded date: October 15.1984

MONTHLY INDUSTRIAL (UNSUBSIDIZED) ELECTRICITY COSTS FOR HALIFAX - HISTORICAL DATA

Billing Demand:	150 kW or 167 kVA	1 000 kW or 1 111 kVA	5 000 kW or 5 556 kVA	100 000 kW or 111 111 kVA	Rur Cut
Consumption/Month:	30 000 kWh	400 000 kWh	3 100 000 kWh	62 000 000 kWh	Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
July 1.1983 *	2991.40	23353.70	148542.68	2978229.38	For 0-249 kVA: 4.75/ 100 KWh per kVA For 250 - 3999 kVA: 3.97/All KWh per kVA For 4000 kVA and over 3.71/All KWh per kVA
April 1.1983	2991.40	22330.14	148542.68	2978229.33	For 0 - 249 kVA 4.750/100 kWh per kVA For 250 - 3999 kVA 3.970/all For 4000 and over 3.30/all
January 1.1983	2662.06	19851.56	132110.16	2641585.00	For 0 - 249 kVA 4.220/100 kWh per kVA For 250 - 3999 kVA 3.530/all For 4000 and over 3.30/all

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY RESIDENTIAL (NOT ALL ELECTRIC,SUBSIDIZED) ELECTRICITY FOR URBAN AND RURAL AREAS: NOVA SCOTIA POWER CORPORATION

effective: July 1,1983

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
		($)		($)
Base charge $ 6.64			$ 6.64	6.64
First 200 kWh			7.18c/kWh	14.36
Next 500 kWh			6.46c/kWh	32.30
rest			6.27c/kWh	18.81
Subtotal				72.11
Health service $ 0.50			$ 0.50	0.50
Less provincial government assistance			9.56c/kWh	6.89
TOTAL		65.72 *		65.72

Source: Nova Scotia Power Corporation: Domestic Rate, page 7

Date issued: October 1.1986
page: 1100
Superceded date: October 15,1985

Taxes and Discounts on Electricity Bills in Prince Edward Island

Income Tax Rebate applicable to all rate classes

August 1986	-6.9000%
July 1985	-4.4714%
September 1984	-2.2823%
April 1984	-2.2429%
March 1983	-2.6886%
February 1983	-2.3503%
January 1983	-2.5178%
December 1982	-2.6286%

N.B. : An additional rebate of 17% for all Industrial customers in effect as of July 1,1986

Date issued: October 1,1986
page: 1101
Superceded date: October 15,1985

CALCULATION OF MONTHLY RESIDENTIAL (NOT ALL ELECTRIC)
ELECTRICITY COST FOR CHARLOTTETOWN

effective: Sept. 1986 only

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge $ 5.47	5.47	5.47	5.47	5.47	5.47
Energy Charge*					
All kWh at 8.295c/kWh	20.74	41.47	62.21	82.95	414.75
Sub-total	26.21	46.94	67.68	88.42	420.22
Less: 6.9000% Income Tax Rebate	1.81	3.24	4.67	6.10	29.00
TOTAL	24.40	43.71	63.01	82.32	391.22

* Includes fuel clause of -0.742c per kWh

Source: Maritime Electric Charlottetown Residential Rate

Date issued: October 1,1986
page: 1102
Superceded date: October 15,1985

CALCULATION OF MONTHLY RESIDENTIAL (ALL ELECTRIC)
ELECTRICITY COST FOR CHARLOTTETOWN

effective: Sept. 1986 only

	kWh Per Month				
	250	500	750	1000	5000
			($)		
Service Charge $ 5.34	5.34	5.34	5.34	5.34	5.34
Energy Charge* All kWh at 7.877c/kWh	19.69	39.38	59.08	78.77	393.85
Sub-total	25.03	44.72	64.42	84.11	399.19
Less: 6.9000% Income Tax Rebate	1.73	3.09	4.44	5.80	27.54
TOTAL	23.31	41.64	59.97	78.31	371.65

* Includes fuel clause of -0.742c per kWh

Source: Maritime Electric All Electric Residential Charlottetown Rate

Date issued: October 1.1986
page: 1103
Superceded date: October 15.1985

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR CHARLOTTETOWN-HISTORICAL DATA

	kWh Per Month					
	250	500	750	1000	5000	Run Out Cents/kWh/Over
			($)			
Effective:						
Sept. 1986 only	*24.40	43.71	63.01	82.32	391.22	8.295/all
Sept. 1986 only (1)	*23.31	41.64	59.97	78.31	371.65	7.877/all
July 1985 only	34.95	64.57	94.20	123.82	597.84	8.720/all
July 1985 only (1)	33.40	61.66	89.92	118.18	570.33	8.157/all
Sept 1984 only	31.92	56.37	80.82	105.27	496.49	10.009/200
Sept 1984 only (1)	30.41	53.74	77.06	100.38	473.55	9.547/200
April 1984 only	37.00	66.03	95.07	124.10	588.60	11.879/200
April 1984 only (1)	35.40	63.22	91.05	118.87	564.06	11.385/200
Sept. 1983 only	32.30	56.94	81.58	106.22	500.47	10.112/200
Sept. 1983 only (1)	30.76	54.24	77.72	101.20	476.90	9.637/200
Feb. 1983 only	31.93	56.41	80.88	105.36	496.98	10.026/200
Feb. 1983 only (1)	30.42	53.77	77.11	100.46	474.03	9.564/200
May 1982 only	31.60	55.49	79.38	103.27	485.51	9.556/200
May 1982 only (1)	30.04	52.76	75.49	98.21	461.81	9.090/200
Oct. 1981 only	30.01	52.99	75.98	98.96	466.72	9.194/200
Oct. 1981 only (1)	28.60	50.52	72.44	94.36	445.12	8.769/200
Jan. 1981 only	25.99	43.58	61.18	78.77	360.29	7.038/200
Jan. 1980 only	23.04	38.03	53.03	68.02	307.94	5.998/200

* Current Rates
N/A - not available
(1) All Electric

Date issued: October 1.1986
page: 1125
Superceded date: October 15.1985

CALCULATION OF MONTHLY COMMERCIAL (NOT ALL ELECTRIC)
ELECTRICITY COSTS FOR CHARLOTTETOWN

Effective: Sept. 1986 only

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge: (2)		
$ 4.43 per kVA	491.73	4921.73
Energy Charge: (3)		
First 200 kWh/kVA at 8.499c /kWh	1886.78	18884.78
Rest at 6.300c per kWh	176.40	17501.40
Total Energy Charge	2063.18	36386.18
Subtotal	2554.91	41307.91
Less: 6.9000% Income Tax Rebate	176.29	2850.25
TOTAL	2378.62	38457.66

(1) 90% Power factor assumed
(2) $ 2.67 off peak
(3) Includes fuel clause of -0.742c/kWh

Source: Maritime Electric Company, Large General Service Rate

CALCULATION OF MONTHLY COMMERCIAL (ALL ELECTRIC)
ELECTRICITY COSTS FOR CHARLOTTETOWN

Effective: Sept. 1986 only

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
$ 5.63 per kW	563.00	5630.00
Energy Charge:(2)		
First 200 kWh/kW at 7.732c/kWh	1546.40	15464.00
Rest at 7.144c per kWh	357.20	21432.00
Total Energy Charge	1903.60	36896.00
Subtotal	2466.60	42526.00
Less: 6.9000% Income Tax Rebate	170.20	2934.29
TOTAL	2296.40	39591.71

(1) 90% Power factor assumed
(2) Includes fuel clause of -0.742c/kWh

Source: Maritime Electric - All Electric General Service Rate

Date issued: October 15,1985
page: 1126
Superceded date: October 15,1984

CALCULATION OF MONTHLY COMMERCIAL (ALL ELECTRIC)
ELECTRICITY COSTS FOR CHARLOTTETOWN

Effective: July, 1985 only

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
$ 5.72 per kW	572.00	5720.00
Energy Charge:		
First 200 kWh/kW at 11.829c/kWh	2365.80	23658.00
Rest at 11.231c per kWh	561.55	33693.00
Total Energy Charge	2927.35	57351.00
Subtotal	3499.35	63071.00
Less: 4.4714% Income Tax Rebate	156.47	2820.13
TOTAL	3342.88	60250.87

(1) 90% Power factor assumed
(2) Includes fuel clause of 2.383c/kWh and 6% comodity cost

Source: Maritime Electric - All Electric General Service Rate

Date issued: October 1.1986
page: 1127
Superceded date: October 15.1985

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR CHARLOTTETOWN - HISTORICAL DATA

Billing Demand: (1)		100 kW or 111 kVA	1 000 kW or 1111 kVA	
Consumption/Month:		25 000 kWh	500 000 kWh	Run Out Cent/kWh/Over
		($)	($)	
Effective:				
Sept. 1986 only		* 2378.62	38457.66	6.300/ 200 kWh per kVA
Sept. 1986 only	(2)	* 2296.40	39591.71	7.144/ 200 kWh per kVA
July 1985 only		3429.72	59078.74	10.373/200 kWh per kVA
July 1985 only	(2)	3342.88	60250.87	11.231/200 kWh per kVA
Sept. 1984 only		3005.08	50736.26	8.464/200 kWh per kVA
Sept. 1984 only	(2)	2813.83	48939.96	8.515/200 kWh per kVA
April 1984 only		3500.74	60010.45	10.227/200 kWh per kVA
April 1984 only	(2)	3297.25	58100.96	10.282/200 kWh per kVA
Sept. 1983 only		3037.97	51152.67	8.522/200 kWh per kVA
Sept. 1983 only	(2)	2843.46	49325.67	8.574/200 kWh per kVA
Feb. 1983 only		3007.16	50786.67	8.482/200 kWh per kVA
Feb. 1983 only	(2)	2816.07	48991.83	8.533/200 kWh per kVA
May 1982 only		2967.17	49672.92	7.997/200 kWh per kVA
May 1982 only	(2)	2770.45	47827.00	8.049/200 kWh per kW
October 1981 only		2825.25	47693.00	7.773/200 kWh per kVA
October 1981 only	(2)	2646.20	46012.00	7.820/200 kWh per kW

* Current Rates
(1) 90% Power Factor Assumed
(2) All Electric

Date issued: October 1,1986
page: 1150
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR CHARLOTTETOWN

Effective: Sept. 1986 only

Billing Demand: Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1111 kVA 400 000 kWh	5000 kW or 5556 kVA 3 100 000 kWh	100000 kW or 111111 kVA 62 000 000 kWh
	($)	($)	($)	($)
Demand Charge:				
All at $ 3.30 per kVA	551.10	3666.30	18334.80	366666.28
Energy Charge:				
First 200 kWh/kVA at 7.577c/kWh	2273.10	16836.09	84195.62	1683776.13
Rest at 6.113c per kWh	0.00	10868.91	121575.34	2431616.88
Total Energy Charge	2273.10	27705.01	205770.96	4115393.01
Sub-total	2824.20	31371.31	224105.76	4482059.29
Less: 6.9000% Income Tax Rebate	194.87	2164.62	15463.30	309262.10
Less: 17% Indust. Assist. Reb.	480.11	5333.12	38097.98	761950.10
TOTAL	2149.22	23873.57	170544.48	3410847.13

(1) 90% Power factor assumed
(2) Includes fuel clause of -0.742c/kWh

Source: Maritime Electric Large Industrial Rate and for over 750 kVA. Large Industrial Rate

Date issued: October 1,1986
page: 1151
Superceded date: October 15,1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR CHARLOTTETOWN - HISTORICAL DATA

Billing Demand: Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
Sept. 1986 only *	2149.22	23873.57	170544.48	3410847.13	6.113/200 kWh/kVA
July 1985 only	3881.06	45635.70	335178.53	6703516.04	6.538/200 Kwh/kVA
September 1984 only	3374.49	38982.19	283918.18	5678309.72	8.280/200 kWh/kVA
April 1984 only	3980.05	46309.66	33940.83	6788358.81	under 750 kVA 10.09/200 kWh/kVA over 750 kVA: 10.03/200 kWh/kVA
September 1983 only	3434.21	39286.16	285773.77	5715420.53	under 750 kVA 8.39/200 kWh per kVA over 750 kVA: 8.33/200 kWh per kVA
February 1983 only	3400.78	39027.10	284284.90	5685644.44	under 750 kVA 8.350/200 kWh per kVA over 750 kVA: 8.299/200 kWh per kVA
May 1982 only	3346.34	38082.88	276352.52	5526994.88	under 750 kVA 7.865/200 kWh per kVA over 750 kVA: 7.812/200 kWh per kVA
October 1981 only	3196.08	36648.27	266901.94	5337988.27	under 750 kVA 7.653/200 kWh per kVA over 750 kVA: 7.605/200
January 1981 only	-	27763.63	201962.48	4039210.63	750 kVA and over: 5.740/180 kWh per kVA
July 1979 only	1952.05	21885.79	157755.67	3155081.79	under 750 kVA 4.616/90 kWh per kVA over 750 kVA: 4.393/180 kWh per kVA

* Current Rates
(1) 90% Power Factor Assumed

CALCULATION OF MONTHLY RESIDENTIAL (NOT ALL ELECTRIC) ELECTRICITY COSTS FOR URBAN AND RURAL AREAS: MARITIME ELECTRIC COMPANY

effective: Sept. 1985 only

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
		($)		($)
Service Charge			$ 8.93	8.93
Energy Charge (1)				
All at			12.41c/kWh	124.05
Sub-total				132.98
Less 6.9000% Income Tax Rebate				9.18
TOTAL		82.32 *		123.8

* See page 1101

(1) Includes fuel clause of -0.742c/kWh

Source: Maritime Electric Co. Rural Residential Rate

CALCULATION OF MONTHLY RESIDENTIAL (ALL ELECTRIC) ELECTRICITY COSTS FOR URBAN AND RURAL AREAS: MARITIME ELECTRIC COMPANY

effective: Sept. 1985 only

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
	($)		($)	
Service Charge			$ 8.61	8.61
Energy Charge (1)				
All Kwh at			11.83c/kWh	118.33
Sub-total				126.94
Less 6.9000% Income Tax Rebate				8.76
TOTAL		78.31 *		118.18

* See page 1102

(1) Includes fuel clause of -0.742c/kWh

Source: Maritime Electric Co. All Electric Residential Rate: Rural

CALCULATION OF MONTHLY RESIDENTIAL (NOT ALL ELECTRIC) ELECTRICITY COSTS
FOR URBAN AND RURAL AREAS: NOVA SCOTIA POWER CORPORATION

effective: July 1,1983

	Urban		Rural	
	Rate	1000 kWh/Mo.	Rate	1000 kWh/Mo.
		($)		($)
Base charge $ 6.64			$ 6.64	6.64
First 200 kWh			7.18c/kWh	14.36
Next 500 kWh			6.46c/kWh	32.30
rest			6.27c/kWh	18.81
Subtotal				72.11
Health service $ 0.50			$ 0.50	0.50
TOTAL		72.61 *		72.61

Source: Nova Scotia Power Corporation: Domestic Rate, page 7
* See residential for Halifax for rate breakdown (pg. 1001)

Date issued: October 1,1986
page: 1200
Superceded date: October 15,1985

Taxes on Electricity Bills in Northwest Territories

	HEATING	LIGHTING	COOKING
Residential	----------	Exempt	----------
Commercial	----------	Exempt	----------
Industrial	----------	Exempt	----------

Municipal Franchise Tax:

Yellowknife: effective March 1, 1986. 3.13% all categories

Date issued: October 1,1986
page: 1201
Superceded date: October 15,1985

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR YELLOWKNIFE

effective: March 1,1986

	kWh Per Month				
	250	500	750	1000	5000
			($)		
First 75 kWh: $ 7.77	7.77	7.77	7.77	7.77	7.77
Rest at 7.72c per kWh	13.51	32.81	52.11	71.41	380.21
Sub-total	21.28	40.58	59.88	79.18	387.98
Franchise tax: 3.13%	0.67	1.27	1.87	2.48	12.14
TOTAL	21.95	41.85	61.75	81.66	400.12

N.B. : A refund rider is in effect for the period March 1,1986 to December 31,1986.

Source: Plains Western Gas and Electric Co. Ltd. Yellowknife distric Domestic Rate Schedule

Date issued: October 1,1986
page: 1202
Superceded date: October 15,1985

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR YELLOWKNIFE-HISTORICAL DATA

		kWh Per Month					
		250	500	750	1000	5000	Run Out Cents/kWh/Over
				($)			
Effective:							
March 1,1986	*	21.95	41.85	61.75	81.66	400.12	7.720/75
September 11 1983		25.84	49.65	73.46	97.26	478.19	9.30/75
April 11 1983		25.97	49.89	73.82	97.74	480.53	9.30/75
March 1983		25.05	47.04	71.04	94.04	462.01	8.94/75
February 11 1983		24.05	46.07	68.09	90.11	442.44	8.56/75
May 1982		33.96	65.92	97.87	129.83	641.06	12.55/75
December 1981		24.62	47.26	69.91	92.55	454.87	9.058/75
October 1981		21.67	33.36	61.06	80.75	395.87	7.878/75
October 1978		12.50	19.53	37.45	49.92	289.44	4.55/300

* Current Rates

Date issued: October 1.1986
page: 1225
Superceded date: October 15,1985

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR YELLOWKNIFE

Effective: March 1.1986

Billing Demand (1):	100 kW or 111 kVA	1 000 kW or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
$ 5.66 per kVA (2) including first 50 kWh per kVA	628.26	6288.26
Energy Charge:		
All over 50 kWh per kVA at 9.12c per kWh	1773.84	40533.84
Subtotal	2402.10	46822.10
Franchise tax: 3.13%	75.19	1465.53
TOTAL	2477.29	48287.63

(1) 90% Power factor assumed
(2) $ 5.66 per kW where type of meter dictates, including first 50 kWh per k

N.B. : A refund rider is in effect for the period March 1, 1986 to December 31.1986.

Source: Plains Western Gas and Electric Co.Ltd. Yellowknife District General Service Rate Schedule

Date issued: October 1,1986
page: 1226
Superceded date: October 15,1985

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR YELLOWKNIFE - HISTORICAL DATA

Billing Demand: (1)		100 kW	1 000 kW	
Consumption/Month:		or 111 kVA 25 000 kWh	or 1111 kVA 500 000 kWh	Run Out Cent/kWh/Over
		($)	($)	
Effective:				
March 1,1986	*	2477.29	48287.63	9.12/50 kWh per kVA
September 11,1983		2864.23	56035.43	10.70/50 kWh per kVA
April 11,1983		2878.22	56309.04	10.70/50 kWh per kVA
March 1 1983		2785.61	54456.84	10.34/50 kWh per kVA
February 11 1983		2687.85	52501.74	9.96/50 kWh per kVA
May 1982		3676.59	72283.65	13.95/50 kWh per kVA
December 1981		2736.60	53512.10	10.458/50 kWh per kVA
October 1981		2441.60	47612.10	9.279/50 kWh per kVA
October 1978		1822.00	36440.00	6.85/all

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 1300
Superceded date: October 15,1985

Taxes on Electricity Bills in Yukon Territories

	HEATING	LIGHTING	COOKING
Residential	----------	Exempt	----------
Commercial	----------	Exempt	----------
Industrial	----------	Exempt	----------

Date issued: October 1,1986
page: 1300A
Superceded date: October 15,1985

YUKON ELECTRICAL COMPANY LIMITED
SUMMARY OF FUEL ADJUSTMENT APPLICABLE FOR
ALL RATES SHOWN FOR WHITEHORSE

September 1,1983	0.0c per kWh
April 26,1983	1.3c per kWh
September 26,1982	0.8c per kWh
August 26,1982	1.0c per kWh
July 1,1982	2.015c per kWh
August 1,1981 to June 30,1982	1.9c per kWh

Date issued: October 1.1986
page: 1301
Superceded date: October 15.1985

CALCULATION OF MONTHLY RESIDENTIAL ELECTRICITY COST FOR WHITEHORSE

effective: January 1.1986

	kWh Per Month				
	250	500	750	1000	5000
	($)				
Customer Charge $ 3.30	3.30	3.30	3.30	3.30	3.30
First 200 kWh at 7.20c/kWh	14.40	14.40	14.40	14.40	14.40
Next 300 kWh at 6.70c/kWh	3.35	20.10	20.10	20.10	20.10
Rest at 6.30c/kWh	0.00	0.00	15.75	31.50	283.50
TOTAL	21.05	37.80	53.55	69.30	321.30

Source: Yukon Electrical Rate Schedule Y-11

MONTHLY RESIDENTIAL ELECTRICITY COSTS FOR WHITEHORSE-HISTORICAL DATA

		kWh Per Month					
		250	500	750	1000	5000	Run Out Cents/kWh/Over
				($)			
Effective:							
January 1.1986	*	21.05	37.80	53.55	69.30	321.30	6.300/500
January 1.1984		20.30	36.30	51.30	66.30	306.30	6.00/500
September 1.1983		20.70	37.20	52.70	68.20	316.20	6.20/500
February 15.1983		18.31	32.66	46.09	59.51	274.31	5.37/500
August. 1981		21.06	38.16	54.34	70.51	329.31	6.47/500
February 25.1980		14.63	24.93	34.81	44.68	202.68	3.95/300

* Current Rates

Date issued: October 1,1986
page: 1325
Superceded date: October 15,1985

CALCULATION OF MONTHLY COMMERCIAL ELECTRICITY COSTS FOR WHITEHORSE

Effective: January 1,1986

Billing Demand (1):	100 kW	1 000 kW
	or 111 kVA	or 1111 kVA
Consumption/Month:	25 000 kWh	500 000 kWh
	($)	($)
Demand Charge:		
$ 1.10 per kW	110.00	1100.00
Energy Charge:		
First 200 kWh per kW at 8.60c per kWh	1720.00	17200.00
Next 200 kWh per kW at 7.50c per kWh	375.00	15000.00
Rest at 6.30c per kWh	0.00	6300.00
TOTAL	2205.00	39600.00

(1) 90% Power factor assumed

Source: Yukon Electric, General Service Rate Schedule Y-21

MONTHLY COMMERCIAL ELECTRICITY COSTS FOR WHITEHORSE - HISTORICAL DATA

Billing Demand: (1)	100 kW or 111 kVA	1 000 kW or 1111 kVA	
Consumption/Month:	25 000 kWh	500 000 kWh	Run Out Cent/kWh/Over
	($)	($)	
Effective:			
January 1,1986 *	2205.00	39600.00	6.30/ 400 kWh per kW
January 1,1984	2130.00	38100.00	6.00/400 kWh per kW
September 1,1983	2155.00	38850.00	6.20/400 kWh per kW
February 15,1983	1915.00	34230.00	5.37/400 kWh per kW
August 1981	2190.50	39730.00	6.47/400 kWh per kw
October 1,1978	1537.10	25426.00	3.95/200 kWh per kW

* Current Rates
(1) 90% Power Factor Assumed

Date issued: October 1,1986
page: 1350
Superceded date: October 15,1985

CALCULATION OF MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR WHITEHORSE

Effective: January 1,1986

Billing Demand: (1) Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1111 kVA 400 000 kWh	5000 kW or 5556 kVA 3100000kWh	100000 kW or 111111 kVA 62000000 kWh
	($)	($)	($)	($)
Demand Charge:				
$ 6.40 Per kVA first 100 Kwh per kVA	1068.80	7110.40	35558.40	711110.38
Energy Charge:				
In excess of 100 kWh/kVA at 6.40c/kWh	851.20	18489.60	162841.59	3256889.65
TOTAL	1920.00	25600.00	198399.99	3968000.02

(1) 90% Power factor assumed

Source: Yukon Electrical Co. Ltd. Rate Schedule Y-32

Date issued: October 1,1986
page: 1351
Superceded date: October 15,1985

MONTHLY INDUSTRIAL ELECTRICITY COSTS FOR WHITEHORSE - HISTORICAL DATA

Billing Demand:(1) Consumption/Month:	150 kW or 167 kVA 30 000 kWh	1 000 kW or 1 111 kVA 400 000 kWh	5 000 kW or 5 556 kVA 3 100 000 kWh	100 000 kW or 111 111 kVA 62 000 000 kWh	Run Out Cents/kWh/Over
	($)	($)	($)	($)	($)
Effective:					
January 1,1986 *	1920.00	25600.00	198399.99	3968000.02	7.40/ 100 KWh per kVA
January 1,1984	1871.75	24677.75	190489.00	3809777.66	7.1/100 kWh per kVA
September 1,1983	1706.30	23977.90	189188.40	3783777.98	7.3/100 kWh per kVA
February 15,1983	1685.07	22233.31	171666.76	3433333.31	5.5/100 kWh per kVA
August 1981	2015.07	26633.31	205766.76	4115333.31	6.6/100 kWh per kVA
February 25,1981	1275.40	16782.20	129471.20	2589022.24	4.14/100 kWh per kVA

* Current Rates
(1) 90% Power Factor Assumed